MICHIGAN AGRICULTURAL STATISTICS

1984

MICHIGAN DEPARTMENT OF AGRICULTURE

8/23/84 S3950-1(4) A -

AGRICULTURE COMMISSION

Robert Chaffin

Rebecca Tompkins

David D. Diehl

Dr. S. Leon Whitney

Rita M. Reid

STATE OF MICHIGAN

JAMES J. BLANCHARD, Governor

DEPARTMENT OF AGRICULTURE

P. O. Box 30017, Lansing, Michigan 48909

PAUL E. KINDINGER, Director

July, 1984

Dear Reader:

This 1984 edition of Michigan Agricultural Statistics demonstrates the significant contribution of agriculture to Michigan's economy. In addition, the high cost of farming today dictates that our producers have the best available data to aid them in making wise management decisions.

The Michigan Agricultural Reporting Service uses modern statistical and sampling procedures to gather the most accurate crop forecasts and estimates available to the agricultural industry. I hope they are of help to you.

One of the goals of the Michigan Department of Agriculture, and my administration, is to make agriculture an exciting growth industry in this state. One ingredient for the success of this objective is to have objective and accurate forecasts of Michigan's diversified crops. When you consider that this state has unique soil conditions, special climate factors, and produces nearly 50 specialty crops, the need for this type of information becomes even more evident.

I welcome your comments on the information contained in Michigan Agricultural Statistics, or on any other topic concerning our industry. Feel free to contact me with your suggestions and ideas for a stronger agricultural industry.

Sincerely yours,

Director

Michigan
Agricultural
Reporting
Service
Michigan Dept. of Agriculture
U.S. Department of Agriculture

ROOM 201 FEDERAL BUILDING
P.O. Box 20008, Lansing, Michigan 48901
Phone AC 517 373-9020

July, 1984

Dear Friend:

Michigan Agricultural Statistics is provided each year as a public service to users of Michigan agricultural data.

The 1983 crop year was highlighted by two historic events. The USDA Payment In Kind (PIK) program resulted in the removal of one million acres of Michigan cropland from production. Participating farmers achieved significant savings through reduced use of production inputs. In addition, they received Payment In Kind of corn and wheat for acres idled under the program.

Mother nature, as it were, provided the second event. The worst heat wave in over 50 years spread throughout the Eastern United States, including Michigan. Rainfall of less than one-half normal in much of the corn belt devastated corn, soybeans, and other crops. Michigan crops, however, were for the most part spared due to normal precipitation occurring with the heat. Irrigation provided additional standby relief as needed in local areas. PIK and the drought brought higher cash grain prices as well as larger livestock marketings, thereby generating a modest 3 percent increase in cash receipts - to 3 billion dollars.

Several new county estimates series are provided in this issue including the PIK program, irrigation, and conservation tillage practices.

Your suggestions for further improvement of this report will be appreciated. Thank you for your continued cooperation and support.

Sincerely,

Don J. Fedewa
Statistician in Charge

MICHIGAN AGRICULTURAL STATISTICS

1984

MICHIGAN AGRICULTURAL REPORTING SERVICE
201 Federal Building
P.O. Box 20008
Lansing, Michigan 48901

Telephone (517) 373-9020

DON J. FEDEWA ..... Statistician in Charge
STEVE J. PSCODNA ..... Assistant Statistician in Charge

Crops ..... David Hagel
Data Processing ..... Cathy Sanders
Enumerative Survey ..... Eugene Kenyon
Livestock ..... Neil Lochmiller
Records and Distribution ..... Judy Mowry

Compiled and Edited by:
Margaret Espie

Graphics by:
Kurt Layson
Dept. of Geography, M.S.U.

United States Department of Agriculture Statistical Reporting Service

Cooperating

Michigan Department of Agriculture Marketing Division

COVER: Vegetables are a vital part of Michigan's agriculture. Michigan ranks as the 5th leading State in the Nation in Fresh Market vegetable production. Dedicated producers, excellent soils and the favorable "lake effect" of our climate help make this accomplishment possible.

This bulletin is provided free to Michigan farmers and reporting agribusiness firms. Others may obtain copies at $3.00 each. Please make checks payable to USDA-SRS and send it with your request to P.O. Box 20008, Lansing, MI 48901.

MARS-84-01

Table of Contents

GENERAL — Page

Michigan's Rank in Nation's Agriculture . . . 4
Farm Labor . . . 5
Michigan's Record Highs and Lows . . . 6
Average Value of Farm Real Estate And Farm Population . . . 8

INCOME PRICES AND ENERGY

Farm Income . . . 10
Prices Recieved . . . 13
Farm Expenses . . . 15
Prices Paid . . . 16
Energy . . . 18

FIELD CROPS

General Information . . . 19
U.S. Acreage and Production . . . 19
Michigan Acreage, Production and Value . . . 20
Corn . . . 22
Soybeans . . . 24
Dry Beans . . . 25
Hay . . . 26
Monthly Farm Marketings . . . 27
Wheat, Oats, Barley and Rye . . . 28
Sugarbeets . . . 30
Spearmint . . . 30
Potatoes . . . 31
Michigan's Total Crop Acreage Production, Value . . . 32
Michigan's Farm Numbers and Acreage . . . 32

FRUIT

General Information . . . 33
1982 Orchard and Vineyard Survey . . . 34
Trees, Acres, Production and Value . . . 35
Apples . . . 36
Grapes . . . 37
Tart Cherries . . . 38
Sweet Cherries . . . 39
Peaches . . . 40
Plums and Prunes . . . 40
Pears . . . 40

VEGETABLES — Page

General . . . 41
Dual Purpose Vegetables . . . 41
Processing Vegetables . . . 42
Fresh Market Vegetables . . . 43
Mushrooms . . . 43

LIVESTOCK AND POULTRY

General Information . . . 44
Michigan and U.S. Numbers . . . 45
Cattle and Calves . . . 46
Hogs . . . 48
Sheep and Lambs . . . 50
Poultry . . . 52
Mink . . . 53

DAIRY

General Information . . . 54
Cows and Milk Production . . . 55
Milk Production, Utilization and Value . . . 56
Dairy Products . . . 57

COUNTY ESTIMATES

Crop Reporting Districts . . . 59
Crop Ranking By County . . . 60
Agricultural Census Data . . . 62
Cattle and Sheep . . . 64
Hogs and Chickens . . . 68
Milk Production . . . 70
Payment In Kind and Conservation Tillage . . . 72
Corn . . . 74
Wheat . . . 78
Soybeans . . . 80
Oats . . . 82
Dry Beans . . . 84
Sugarbeets . . . 85
Barley . . . 86
Potatoes . . . 88

Michigan's Rank in the Nation's Agriculture, 1983

COMMODITY	Rank Among States	Production	Unit	Percent of U.S. Production	Leading State
		1,000			
Tart Cherries	1	87,000	Lbs.	56.3	**Michigan**
All Dry Beans	1	4,550	Cwt.	29.8	**Michigan**
Navy Beans	1	3,750	Cwt.	81.2	**Michigan**
Cranberry Beans	1	374	Cwt.	100.0	**Michigan**
Black Turtle Beans	1	28	Cwt.	60.9	**Michigan**
Apples	3	750,000	Lbs	9.2	Washington
Carrots	3	1,656	Cwt.	7.4	California
Celery	3	1,295	Cwt.	7.4	California
Mushrooms	3	18,865	Lbs.	3.8	Pennsylvania
Prunes & Plums	3	13	Tons	20.9	Oregon
Red Kidney Beans	3	207	Cwt.	21.0	California
Sweet Cherries	3	36,000	Lbs.	10.0	Washington
Tomatoes, Processing	3	183.1	Tons	2.6	California
Dry Buttermilk	4	2,923	Lbs.	6.3	Minnesota
Non-Fat Dry Milk	4	106,429	Lbs.	7.1	California
Snap Beans, Processing	4	41.4	Tons	23.2	Wisconsin
Spearmint	4	118	Lbs.	8.4	Washington
Corn, Sweet	5	840	Cwt.	6.0	Florida
Grapes	5	60	Tons	1.1	California
Pears	5	8	Tons	1.0	Washington
Strawberries	5	162	Cwt.	1.8	California
Sugarbeets	5	1,976	Tons	9.4	Minnesota
Butter	6	58,505	Lbs.	4.5	Wisconsin
Cauliflower	6	66	Cwt.	1.2	California
Milk	6	5,528,000	Lbs.	4.0	Wisconsin
Peaches	6	35,000	Lbs.	3.0	California
Corn for Silage	7	4,940	Tons	4.1	Wisconsin
Creamed Cottage Cheese	7	40,114	Lbs.	5.4	New York
Ice Milk	7	10,821	Gal.	3.7	California
Onions	7	2,294	Cwt.	6.2	California
Rye	7	600	Bu.	2.3	S. Dakota
Alfalfa Hay	8	3,960	Tons	4.6	Wisconsin
Corn for Grain	8	165,600	Bu.	4.1	Iowa
Oats	8	15,600	Bu.	3.3	S. Dakota
Tomatoes, Fresh Market	8	396	Cwt.	1.5	Florida
Ice Cream	9	34,275	Gal.	3.9	California
Lettuce	9	228	Cwt.	.4	California
Mink	11	144.5	Pelts	3.5	Wisconsin
Pinto Beans	11	26	Cwt.	.6	Colorado
Potatoes	11	12,023	Cwt.	2.7	Idaho
Hogs and Pigs[1]	13	1,250	Head	2.2	Iowa
Milk Sherbert	13	1,474	Gal.	3.1	California
Soybeans	13	33,280	Bu.	1.9	Iowa
All Hay	14	4,470	Tons	3.1	Wisconsin
Eggs	15	1,454,000	Eggs	2.1	California
Winter Wheat	17	35,770	Bu.	1.8	Kansas
Turkeys[1]	18	1,600	Birds	.9	N. Carolina
Cash Receipts from Marketings	19	2,960,187	Dollars	2.1	California

[1] Ranking based on number of head or birds.

Farm Labor

Beginning in 1982, the farm labor data series was changed from quarterly estimates to a once annual estimate, with data collected in July. The following data reflect the information available from this revised series. This format is that which is expected to be available in the future.

Michigan Farm Wage Rates

YEAR	Method Of Pay		Type Of Work	
	Hourly	Other	Field	Livestock
	Dollars Per Hour			
1983	**4.03**	**5.19**	**3.82**	**4.47**
1982	3.70	4.51	3.82	4.14

Michigan Workers On Farms

YEAR	Total	Hired	Hired Expected to be Employed	
			150 Days or More	149 Days or Less
	1,000			
1983	**114**	**35**	**13**	**22**
1982	118	45	15	30

Michigan Farm Workers And Wages — July

YEAR	Workers[1]		
	Total	Hired	Wage Rates
	1,000		*$ Per Hr.*
1983	114	35	4.03
1982	118	45	3.70
1981[2]	—	—	—
1980	130	51	3.65
1979	128	48	3.33
1978	137	47	2.95
1977	135	39	2.80
1976	146	44	2.34
1975	149	44	2.30
1974	151	38	2.05
1973	153	37	2.12
1972	163	44	1.93
1971	160	38	1.85
1970	166	38	1.72
1969	171	37	1.68
1968	172	44	1.55
1967	188	46	1.39
1966	208	54	1.29
1965	219	59	1.20
1964	266	80	1.12
1963	255	73	1.12
1962	257	70	1.10
1961	269	65	1.08
1960	275	69	1.07
1959	278	73	1.07
1958	301	78	1.05
1957	311	85	1.06
1956	301	69	1.05

YEAR	Workers[1]		
	Total	Hired	Wage Rates
		1,000	*$ Per Hr.*
1955	327	79	1.02
1954	334	80	1.02
1953	336	75	1.01
1952	332	70	.97
1951	331	75	.92
1950	344	86	.81
			Dollars Per Day
1949	—	—	6.40
1945	—	—	5.25
1940	—	—	2.25
1935	—	—	1.70
1930	—	—	2.80
1925	—	—	3.20
1920	—	—	4.15
1915	—	—	1.80
1910	—	—	1.65
1906	—	—	1.59
1899	—	—	1.26
1895	—	—	1.00
1890	—	—	1.19
1885	—	—	1.28
1880	—	—	1.20
1875	—	—	1.35
1869	—	—	1.22
1866	—	—	1.25

[1] Estimates not available prior to 1950.
[2] No survey conducted.

Record Highs and Lows In Michigan Agriculture

FIELD CROPS & VEGETABLES	Year Estimates Started		Acreage		Yield			Production	
			Harvested	Year	Unit	Per Acre	Year	Total	Year
			1,000					*1,000*	
Corn for grain	1924	High	2,800	1981	Bu.	107	1982	293,180	1982
		Low	577	1929		24.5	[1]	15,637	1929
Winter Wheat	1909	High	1,515	1953	Bu.	50	1981	43,935	1953
		Low	410	1978		10.5	1912	7,350	1912
Oats	1866	High	1,658	1918	Bu.	63	1982	69,388	1946
		Low	205	1866		18.5	1921	6,490	1867
Barley	1866	High	303	1932	Bu.	59	1982	8,400	1918
		Low	16	1974		13.5	1933	546	1866
Rye	1866	High	913	1919	Bu.	30	1983	12,143	1919
		Low	7	1866		8.8	1934	105	1866
Soybeans	1924	High	1,140	1982	Bu.	33	1980	35,340	1982
		Low	1	1930		8	1927	10	1930
Potatoes	1866	High	374	1895	Cwt.	260	1982	23,256	1904
		Low	36.4	1975		26	1916	3,557	1876
Dry Beans	1909	High	690	1930	Cwt.	14.7	1963	8,585	1963
		Low	314	1921		3.2	1917	1,656	1916
Sugarbeets	1906	High	154	1933	Ton	21.3	1970	2,030	1981
		Low	48	1943		5.5	1916	298	1943
All Hay	1866	High	2,907	1924	Ton	3.2	1981	4,470	1983
		Low	780	1866		.6	1895	1,014	1866
Alfalfa	1919	High	1,444	1950	Ton	3.6	1983	3,960	1983
		Low	74	1919		1.1	1934	118	1919
Spearmint	1935	High	8.7	1954	Lb.	47	1935	280	1948
		Low	.7	1935		20	1965	30	1965
Carrots	1929	High	7.2	1983	Cwt.	350	1930	1,713	1979
		Low	.5	1929		150	1959	132	1936
Cauliflower	1939	High	1.9	1958	Cwt.	141	1949	212	1949
		Low	.7	1976		36	1959	38	1973
Celery	1928	High	7.2	1941	Cwt.	470	1982	1,918	1941
		Low	1.9	1960		174	1935	590	1959
Lettuce	1952	High	1.7	1963	Cwt.	250	1982	384	1967
		Low	1.2	[2]		85	1953	110	1953
Onions	1928	High	12.7	1935	Cwt.	350	1960	2,822	1965
		Low	5.0	1928		120	1935	852	1928
Snap Beans (Proc.)	1918	High	18.3	1973	Ton	2.8	[3]	46,650	1973
		Low	.8	1921		.6	1947	600	1921
Sweet Corn	1949	High	15.2	1961	Cwt.	80	1970	1,016	1970
		Low	9.5	1956		42	1949	525	1949
Strawberries	1928	High	11.6	1957	Lb.	8,000	[4]	45,144	1940
		Low	2.7	[5]		1,080	1934	11,880	1934
Tomatoes (Proc.)	1918	High	9.7	1982	Ton	21.1	1982	205	1982
		Low	1.0	1921		2.7	1943	5	1921
Tomatoes (Fresh)	1928	High	9.4	1943	Cwt.	120	[6]	797	1943
		Low	2.5	1928		60	1959	206	1930

[1] 1930, 1934
[2] 1955, 1959, 1980, 1981, 1983
[3] 1980, 1983
[4] 1976, 1982
[5] 1980, 1981, 1982 1983
[6] 1979, 1983

Record Highs and Lows In Michigan Agriculture (Continued)

FRUIT	Year Estimates Started		Trees Of Bearing Age	Year	Production		
					Unit	Total	Year
			1,000				
Apples	1889	High	10,928	1899	Mil. Lbs.	980	1982
		Low	2,200	[7]		53	1945
Tart Cherries	1925	High	3,650	[8]	Mil. Lbs.	380	1964
		Low	1,339	1929		18	1927
Sweet Cherries	1925	High	980	[9]	Mil. Lbs.	75	1978
		Low	79	1929		1	1964
Peaches	1889	High	12,500	1898	Mil. Lbs.	245	[10]
		Low	469	1983		7	1918
Pears	1889	High	1,319	1898	Ton	48,600	1964
		Low	178	1983		2,425	1890
Prunes & Plums	1919	High	750	1972	Ton	25,000	1971
		Low	209	1941		1,700	1945
Grapes[11]	1889	High	18,500	1929	Ton	77,900	1932
		Low	5,828	1983		4,200	1889

Livestock & Products	Year Estimates Started	Unit	Inventory January 1 Or Production		
				Total	Year
Cattle & Calves	1867	1,000	High	2,036	1944
			Low	538	1867
Milk Cows	1867	1,000	High	1,080	1945
			Low	225	1867
Cattle on Feed	1930	1,000	High	245	1973
			Low	57	1931
Hogs & Pigs	1867	1,000	High	1,397	1944
			Low	512	1935
Sheep	1867	1,000	High	3,100	1867
			Low	100	1983
Chickens (all)	1924	1,000	High	15,512	1944
			Low	7,530	1963
Turkeys (Breeder Hens)	1930	1,000	High	143	1968
			Low	38	1984
Milk	1924	Mil. Lbs.	High	5,758	1964
			Low	3,941	1927
Eggs	1924	Mil. Eggs	High	1,697	1944
			Low	1,104	1929
Wool	1934	1,000 Lbs.	High	8,424	1934
			Low	865	1982

[7] 1960, 1961
[8] 1963, 1964, 1965, 1966, 1967
[9] 1973, 1974, 1975, 1976, 1977
[10] 1945, 1946
[11] Vines of bearing age

Value of Farm Real Estate and Farm Population

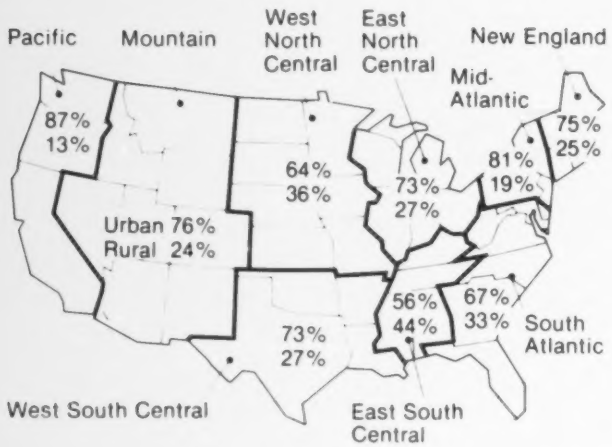
REGION/STATE	April 1			February 1	Farm Population 1980[2]	% of Total Population 1980
	1984	1983	1982	1981		
	Dollars per Acre[1]					
Northeast						
Maine	**691**	649	636	612	13,963	1.2
New Hampshire	**1,181**	1,109	1,087	1,045	6,640	.7
Vermont	**849**	797	781	751	18,079	3.5
Massachusetts	**1,854**	1,741	1,707	1,641	9,839	0.2
Rhode Island	**3,046**	2,860	2,804	2,696	1,115	0.1
Connecticut	**2,862**	2,687	2,634	2,533	7,383	0.2
New York	**793**	770	786	749	123,109	0.7
New Jersey	**3,148**	3,056	3,118	2,998	18,984	0.3
Pennsylvania	**1,381**	1,279	1,332	1,447	158,183	1.3
Delaware	**1,692**	1,659	1,659	1,843	10,246	1.7
Maryland	**2,239**	2,174	2,416	2,556	44,934	1.1
Lake States						
Michigan	**1,109**	1,109	1,192	1,232	177,591	1.9
Wisconsin	**958**	1,019	1,073	1,105	282,722	6.0
Minnesota	**990**	1,065	1,197	1,231	315,400	7.7
Corn Belt						
Ohio	**1,245**	1,297	1,474	1,727	271,542	2.5
Indiana	**1,477**	1,492	1,715	1,972	276,154	5.0
Illinois	**1,692**	1,727	1,940	2,133	313,978	2.7
Iowa	**1,396**	1,568	1,802	1,941	391,070	13.4
Missouri	**759**	759	872	941	282,074	5.7
Northern Plains						
North Dakota	**414**	414	436	423	103,881	15.9
South Dakota	**263**	271	291	290	112,854	16.3
Nebraska	**495**	563	626	660	178,113	11.3
Kansas	**528**	544	585	590	172,901	7.3
Applachian						
Virginia	**1,040**	1,050	1,040	1,080	113,115	2.1
W. Virginia	**804**	829	829	751	28,730	1.5
North Carolina	**1,362**	1,297	1,284	1,331	188,437	3.2
Kentucky	**927**	966	996	991	244,589	6.7
Tennessee	**951**	923	972	1,024	175,673	3.8
Southeast						
South Carolina	**846**	863	918	930	53,595	1.7
Georgia	**801**	817	842	915	121,089	2.2
Florida	**1,490**	1,461	1,432	1,507	58,679	0.6
Alabama	**858**	876	922	935	87,757	2.3
Delta States						
Mississippi	**966**	920	1,000	1,047	84,758	3.4
Arkansas	**944**	983	1,104	1,061	107,648	4.7
Louisiana	**1,481**	1,481	1,511	1,519	58,945	1.4

Value of Farm Real Estate and Farm Population — Continued

REGION/STATE	April 1			February 1	Farm Population 1980[2]	% of Total Population 1980
	1984	1983	1982	1981		
	Dollars per Acre[1]					
Southern Plains						
Oklahoma	**661**	661	696	662	129,874	4.3
Texas	**646**	593	576	492	268,893	1.9
Mountain States						
Montana	**241**	236	254	239	58,396	7.4
Idaho	**700**	700	753	717	69,129	7.3
Wyoming	**165**	162	170	164	19,407	4.1
Colorado	**423**	411	419	412	59,152	2.0
New Mexico	**204**	200	211	203	20,087	1.5
Arizona	**285**	279	294	282	13,770	0.5
Utah	**572**	561	590	567	18,372	1.3
Nevada	**273**	268	282	271	5,539	0.7
Pacific States						
Alaska	—	—	—	—	822	0.2
California	**1,925**	1,925	1,905	1,735	176,460	0.7
Hawaii	—	—	—	—	4,523	0.5
Oregon	**574**	580	611	605	78,045	3.0
Washington	**915**	888	888	854	81,664	2.0
United States	**739**	743	789	795	5,617,903	2.5

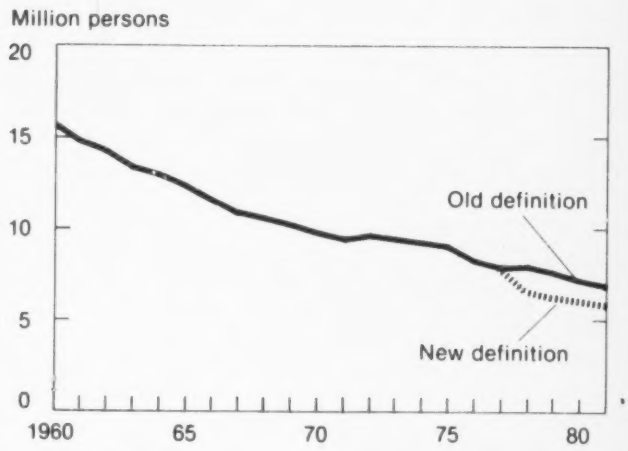
[1] Average value per acre of land and buildings,by state, grouped by farm production region.
[2] Source: Bureau of the Census: U.S. Department of Commerce News.

Urban and Rural Population



1980 data. Pacific includes Alaska and Hawaii.
Source: Bureau of the Census.

Farm Population



Present definition includes those living on rural places with $1,000 or more in annual agricultural product sales. Previous definition was those on rural places of 10 or more acres with at least $50 in sales and under 10 acres with at least $250 in sales.

Income, Prices And Energy

Cash receipts from 1983 marketings of crops, livestock and livestock products in Michigan reached nearly $3 billion, a 3 percent increase from 1982. Crop cash receipts rose 5 percent and livestock nearly 2 percent. The higher crop receipts were due to a combination of larger marketings for some commodities and higher prices for others. The combined effects of the Payment in Kind (PIK) program and the summer drought led to higher crop prices. Most livestock prices were down, but higher marketing volumes led to increased receipts. Michigan moved up to 19th place in the U.S. in total cash receipts. Cash receipts provide only a partial measure of gross farm income. To arrive at net farm income, one must also consider farm production expenses, government payments, current inventories, farm debt, and other income sources. Despite higher receipts and lower expenses due to PIK, many Michigan farmers still faced unfavorable cash flow situations as 1983 ended.

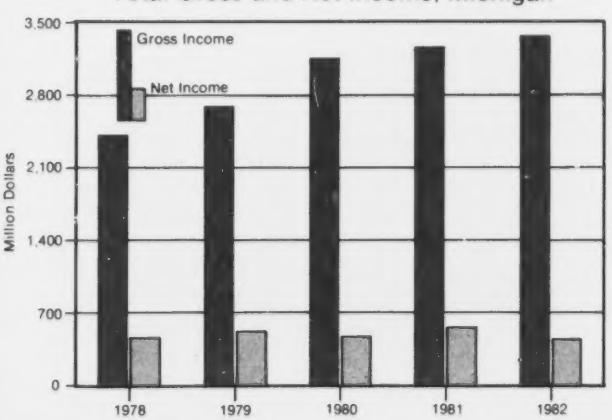
Higher cash receipts from marketings of vegetables, fruit, and wheat offset lower receipts from corn and soybean sales. Wheat sales more than doubled from the low level of 1982 and accounted for most of the overall increase in crop receipts. Cash receipts from dairy products (primarily milk) rose 3 percent, accounting for most of the overall gain in livestock.

Farm expense data for Michigan is not yet available for 1983 but preliminary U.S. data shows that prices farmers paid for production inputs, taxes, and services increased about 2.5 percent in 1983. Feed expenses rose nearly 10 percent during 1983. Other production inputs which exhibited cost increases were ag chemicals, autos and trucks, farm machinery, and farm services. Average taxes paid by farmers rose 7 percent. Production inputs which showed cost decreases were feeder livestock, fertilizer, and fuels. Preliminary estimates place U.S. net farm income for 1983 in the $20 to $22 billion range, down slightly from the low 1982 income of $22.1 billion.

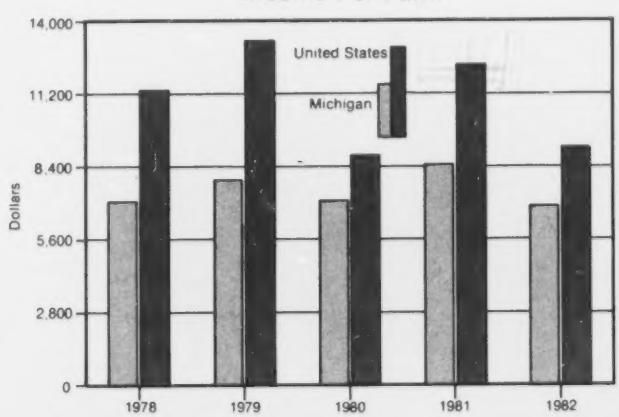
Farm Income

Statistics on 1983 Michigan net farm income will be published during fall 1984, too late for this issue of *Michigan Agricultural Statistics*. Realized net farm income in Michigan during 1982, at nearly $421 million, was up 7 percent from the extremely low 1981 income. Despite this increase, 1982 net farm income was the third lowest since 1972. Net income per Michigan farm averaged $6,900, the lowest level since 1976. Realized net farm income is measured before allowing for year-to-year changes in the inventories of grain and livestock owned by farmers. Farm production expenses increased 3 percent to nearly $3 billion. This was the smallest increase since 1969. Gross farm income increased 3.5 percent during 1982. Gross farm income consists of the following components: cash receipts from farm marketings, government payments, non-money income and other farm income. Non-money income allows for the rental value of farm dwellings and the value of farm products consumed on the farm. Other farm income includes cash income from sources such as recreation, machine hire, and custom work. Government payments rose to their highest level in four years during 1982.

Total Gross and Net Income, Michigan



Income Per Farm



Gross and Net Income, Michigan[1]

ITEM	1982	1981	1980	1979	1978
			Million Dollars		
Realized Gross Farm Income					
Cash receipts from farm marketings	**2,862.6**	2,787.9	2,748.6	2,321.4	2,055.2
Government payments	**40.4**	17.3	10.7	15.6	45.5
Non money income	**431.0**	416.6	359.0	319.2	289.2
Other farm income	**40.4**	38.1	30.9	30.4	24.1
Total gross farm income	**3,374.4**	3,259.9	3,149.2	2,686.5	2,414.1
Farm production expenses	**2,953.5**	2,865.1	2,642.5	2,264.0	1,964.8
Realized net farm income[2]	**420.9**	394.8	506.6	422.5	449.2
Net change in farm inventories	**27.6**	165.4	−37.8	97.3	16.8
Total net farm income	**448.5**	560.3	468.8	519.8	466.0

[1] Items may not add to totals due to rounding.
[2] Does not take into account the net change in farm inventories.

Income per Farm

YEAR	Michigan			United States		
	Realized Gross Income[1]	Realized Net Income[1]	Total Net Income[2]	Realized Gross Income[1]	Realized Net Income[1]	Total Net Income[2]
		Dollars			*Dollars*	
1982	**51,915**	**6,476**	**6,900**	**68,329**	**9,959**	**9,188**
1981	49,393	5,982	8,489	65,498	9,212	12,349
1980	47,714	7,676	7,103	64,041	11,056	8,857
1979	40,705	6,402	7,876	59,842	11,237	13,272
1978	36,577	6,806	7,061	51,876	11,015	11,351

[1] Excludes changes in inventories, and represents income of farm operators.
[2] Includes changes in inventories.

Gross Farm Income By Source, Michigan[1]

YEAR	Cash Income from Farm Marketing			Other Income		Total Gross Farm Income
	Crops	Livestock and Livestock Products	Total	Government Payments	Other Sources[2]	
			Million Dollars			
1983	**1,767.6**	**1,192.6**	**2,960.2**	[3]	[3]	[3]
1982	1,687.6	1,175.0	2,862.6	40.4	471.4	3,374.4
1981	1,676.0	1,111.9	2,787.9	17.3	454.7	3,259.9
1980	1,611.2	1,137.5	2,748.6	10.7	389.9	3,149.2
1979	1,317.7	1,003.8	2,321.4	15.6	349.6	2,686.5

[1] Items may not add to totals due to rounding.
[2] Includes cash income from sources such as recreation, machine hire, custom work and non money income from rental value of farm dwellings and value of farm products consumed directly on farms.
[3] Not available at time of publication.

Cash Receipts from Marketings, Michigan

PRODUCT	1982	1981	1980	1979	1978
			1,000 Dollars		
LIVESTOCK & PRODUCTS TOTAL	**1,175,038**	1,111,895	1,137,485	1,003,800	984,560
Dairy	**703,906**	693,961	647,491	571,725	496,661
Cattle & Calves	**234,484**	183,207	257,567	208,565	306,803
Hogs	**136,111**	129,020	135,678	124,490	87,278
Eggs	**64,175**	68,670	57,760	61,336	57,811
Sheep & Lambs	**3,851**	3,332	5,439	4,116	5,320
All Chickens	**3,041**	3,366	3,640	5,438	3,871
Wool	**381**	662	703	682	697
Other	**29,089**	29,677	29,207	27,448	26,119
CROPS TOTAL	**1,687,582**	1,676,031	1,611,153	1,317,666	1,071,697
Field Crops & Vegetables:					
Corn	**531,671**	446,169	511,355	318,719	248,791
Dry Edible Beans	**120,125**	221,321	149,250	111,234	80,783
Soybeans	**232,759**	166,402	227,372	194,586	97,133
Sugarbeets	**77,004**	53,795	77,004	60,295	41,595
Wheat	**67,159**	136,013	121,899	102,468	50,355
Potatoes	**44,750**	42,984	52,606	38,256	37,269
Hay	**40,222**	29,948	20,210	23,267	32,403
Oats	**23,253**	27,765	22,011	16,635	15,204
Mushrooms	**13,446**	16,319	13,049	9,060	8,742
Mint	**1,788**	1,829	1,498	1,475	1,310
Red Clover Seed	[1]	561	580	745	813
Rye	**1,047**	868	866	984	681
Barley	**2,462**	1,788	1,332	1,315	1,492
Vegetables	**155,130**	151,189	123,228	118,911	128,437
Other Crops	**12,911**	9,913	10,494	11,381	8,826
Fruit:					
Apples	**56,813**	75,031	48,174	75,204	73,192
Blueberries	[2]	26,572	16,400	16,164	17,820
Cherries	**37,546**	84,754	40,593	59,359	73,370
Grapes	**15,089**	13,296	11,825	13,810	15,000
Peaches	**10,346**	6,624	7,584	6,693	9,504
Strawberries	**11,476**	8,800	7,001	10,041	7,973
Pears	**2,334**	1,923	2,141	1,703	2,930
Plums & Prunes	**2,809**	2,207	2,550	2,848	3,279
Other Fruit	**24,442**[3]	1,108	1,030	971	777
Other Products:					
Forest & Maple	**38,000**[4]	38,652	31,334	16,475	14,768
Greenhouse, Nursery	**165,000**	110,200	109,767	105,067	99,250
ALL COMMODITIES	**2,862,620**	2,787,926	2,748,638	2,321,466	2,056,257
GOVERNMENT PAYMENTS	**40,417**	17,263	10,666	15,593	45,510
TOTAL	**2,903,037**	2,805,189	2,759,304	2,337,059	2,101,767

[1] Included in other crops.
[2] Included in other fruit.
[3] Includes Blueberries.
[4] Forest Products only. Maple products now included in other crops.

Government Payments, Michigan

PROGRAM	1982	1981	1980	1979	1978
			1,000 Dollars		
Conservation Programs	**4,181**	4,476	4,074	3,753	4,717
Wheat Programs	**3,970**	4,117	242	200	9,688
Feed Grain Programs	**13,562**	2,457	3,428	9,115	24,547
Drought and Flood Programs	**—**	—	3	36	93
Misc. Programs[1]	**18,704**	6,213	2,919	2,489	6,465
TOTAL	**40,417**	17,263	10,666	15,593	45,510

[1] Includes National Wool Act, Milk Indemnity Program, Forest Incentive Program, Water Bank Program, Emergency Livestock Feed Program, and Sugar Act.

Prices Received by Farmers

Prices Received for Field Crops

YEAR[1] AND MONTH	Corn per Bu.	Wheat per Bu.	Oats per Bu.	Soy-Beans per Bu.	Dry Beans per Cwt.	Navy Beans per Cwt.	Potatoes per Cwt.	All Hay per Ton	Alfalfa Hay per Ton
					Dollars				
1983 January	**2.25**	**3.29**	**1.56**	**5.46**	**10.30**	**10.10**	**4.55**	**57.00**	**63.00**
February	**2.43**	**3.53**	**1.60**	**5.38**	**9.90**	**9.40**	**4.90**	**53.00**	**60.00**
March	**2.64**	**3.53**	**1.56**	**5.80**	**10.40**	**9.70**	**4.70**	**53.00**	**55.00**
April	**2.82**	**3.58**	**1.55**	**6.07**	**12.80**	**12.80**	**5.30**	**53.00**	**55.00**
May	**2.96**	**3.59**	**1.63**	**6.14**	**14.60**	**14.60**	**5.40**	**58.00**	**60.00**
June	**3.12**	**3.32**	**1.63**	**5.87**	**14.20**	**14.20**	**4.95**	**44.00**	**45.00**
July	**3.10**	**3.44**	**1.57**	**6.28**	**18.90**	**19.40**	**10.00**	**34.00**	**35.00**
August	**3.41**	**3.43**	**1.54**	**7.86**	**25.10**	**25.20**	**10.00**	**37.00**	**38.00**
September	**3.42**	**3.45**	**1.65**	**8.47**	**25.10**	**25.10**	**7.10**	**42.00**	**43.00**
October	**3.20**	**3.36**	**1.97**	**7.91**	**24.00**	**23.90**	**6.60**	**68.00**	**70.00**
November	**3.16**	**3.21**	**2.14**	**8.01**	**24.30**	**23.70**	**7.10**	**68.00**	**72.00**
December	**3.14**	**3.24**	**2.18**	**7.68**	**25.40**	**25.10**	**6.20**	**71.00**	**75.00**
1983[2]	**3.35**	**3.35**	**1.90**	**8.25**	**24.10**	**22.50**	**6.15**	**59.50**	**59.00**
1982	2.55	3.33	1.49	5.46	13.70	13.70	4.65	54.50	58.00
1981	2.39	3.47	1.97	6.02	25.60	25.90	6.30	56.50	63.00
1980	3.05	3.60	1.85	7.47	26.40	28.50	6.65	36.50	39.00
1979	2.46	3.82	1.45	6.13	18.50	18.50	4.44	36.00	38.00

[1] Marketing year.
[2] Preliminary.

Index of Prices Received for Crop Commodity Groups (1977 = 100)

YEAR OR MONTH	Crops				
	All Crops	Cash Field	Fruit	Vegetables	Feed Crops
1983 January	**101**	**97**	**78**	**101**	**110**
February	**103**	**98**	**80**	**105**	**113**
March	**103**	**101**	**73**	**69**	**119**
April	**108**	**109**	**73**	**69**	**124**
May	**113**	**113**	**76**	**69**	**132**
June	**114**	**128**	**76**	**69**	**124**
July	**115**	**136**	**76**	**69**	**120**
August	**128**	**156**	**78**	**93**	**131**
September	**127**	**150**	**75**	**83**	**135**
October	**137**	**143**	**118**	**83**	**147**
November	**137**	**144**	**117**	**88**	**146**
December	**139**	**147**	**114**	**101**	**148**
1983	**119**	**127**	**86**	**83**	**129**
1982	118	127	109	121	115
1981	132	160	107	137	121
1980	126	131	134	104	122
1979	113	114	125	92	110
1947-1949	55	65	41	34	73
1935-1939	21	25	17	13	31
1910-1914	22	25	17	—	39

Prices Received for Livestock and Livestock Products

YEAR AND MONTH	Hogs per Cwt.[1]	Beef Cattle per Cwt.[2]	Cows per Cwt[3]	Steers & Heifers per Cwt.	Milk Cows per Head[4]	Calves per Cwt.	Eggs per Doz.	All Milk Wholesale per Cwt.
			Dollars				*Cents*	*Dollars*
1983 January	**54.10**	**44.90**	**37.80**	**52.60**	**1,090**	**55.20**	**44**	**14.00**
February	**55.20**	**48.20**	**40.80**	**55.30**	**—**	**60.80**	**47**	**13.80**
March	**56.60**	**50.50**	**42.90**	**57.00**	**—**	**64.90**	**49**	**13.70**
April	**50.00**	**52.00**	**41.80**	**58.60**	**1,090**	**61.60**	**49**	**13.70**
May	**46.60**	**51.50**	**43.40**	**56.80**	**—**	**65.00**	**53**	**13.50**
June	**45.80**	**51.00**	**43.30**	**57.40**	**—**	**67.00**	**52**	**13.30**
July	**44.10**	**48.80**	**41.10**	**54.80**	**1,100**	**57.10**	**49**	**13.20**
August	**43.20**	**45.30**	**38.10**	**51.50**	**—**	**54.20**	**56**	**13.30**
September	**45.90**	**45.00**	**37.80**	**51.50**	**—**	**52.40**	**51**	**13.50**
October	**43.70**	**43.30**	**36.00**	**50.30**	**1,000**	**51.20**	**58**	**13.80**
November	**40.00**	**42.50**	**34.70**	**50.90**	**—**	**51.00**	**67**	**14.10**
December	**37.50**	**43.40**	**34.50**	**53.60**	**—**	**47.60**	**71**	**14.00**
1983	**47.00**	**47.20**	**39.10**	**54.30**	**1,070**	**57.00**	**52**	**13.60**
1982	52.50	48.00	39.30	55.80	1,150	57.20	51	13.60
1981	43.70	49.50	41.30	56.20	1,280	65.20	54	13.80
1980	38.80	55.90	47.40	62.90	1,230	82.50	48	13.20
1979	42.90	58.20	50.50	65.60	1,080	86.60	50	12.00

[1] Prices pertain to the marketing year, previous December through November.
[2] Combined price for "cows" and "Steers and Heifers".
[3] Beef cows sold for slaughter and herd replacement, and cull dairy cows sold for slaughter.
[4] Sold for dairy herd replacement only. Price series changed to quarterly, January 1982.

Index of Prices Received for Livestock Commodity Groups (1977 = 100)

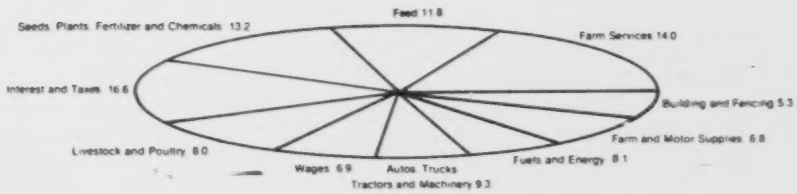
YEAR OR MONTH	Livestock				All Livestock and Crops
	All Livestock	Dairy Products	Meat Animals	Poultry and Eggs	
1983 January	**137**	**144**	**137**	**89**	**117**
February	**140**	**143**	**144**	**95**	**119**
March	**139**	**142**	**142**	**99**	**119**
April	**138**	**142**	**142**	**99**	**122**
May	**137**	**140**	**140**	**107**	**127**
June	**133**	**137**	**135**	**99**	**123**
July	**132**	**137**	**133**	**99**	**123**
August	**133**	**138**	**129**	**113**	**130**
September	**132**	**140**	**126**	**103**	**129**
October	**132**	**143**	**119**	**117**	**135**
November	**134**	**146**	**115**	**135**	**136**
December	**137**	**145**	**123**	**143**	**138**
1983	**135**	**141**	**132**	**108**	**126**
1982	138	141	142	99	127
1981	138	143	135	109	135
1980	138	143	142	120	135
1979	137	136	135	102	131
1947-1949	55	45	57	113	55
1935-1939	23	19	21	55	23
1910-1914	19	16	17	49	20

Farm Expenses

Beginning with the 1982 Farm Production Expense information, data will no longer be available on an individual state basis. Production expenses will be published by regions, with Michigan being a part of the Lake States Region.

The data series has also changed, in an effort to provide more usable information. Rather than providing only a total expenditure figure for the region, an average per farm, and percent of the farms reporting a given type of expenditure, will also be given.

Production Expenditures



Farm Production Expenses

LAKE STATES (MICHIGAN, MINNESOTA, WISCONSIN), 1982

ITEM[1]	TOTAL EXPENDITURE[2]	FARMS REPORTING[3]	AVERAGE PER FARM[3]
	1,000 Dollars	*Percent*	*Dollars*
Current Farm Operating Expenses:[4]			
Farms Services	1,989,782	99.5	7,653
Feed	1,679,436	77.5	6,459
Seeds, Plants, Fertilizer & Chemicals	1,866,618	86.1	7,179
Interest & Taxes	2,356,355	90.0	9,063
Livestock & Poultry	1,126,879	65.3	4,334
Wages & Contract Labor	984,264	59.8	3,786
Fuels & Energy	1,151,849	99.2	4,430
Autos, Trucks, Tractors, & Machinery	1,312,396	68.7	5,047
Farm & Motor Supplies	961,877	98.1	3,700
Building & Fencing	750,192	72.3	2,885

[1] Farm Share.
[2] Totals may not add due to rounding.
[3] Expanded number of farms reporting or total expenditure divided by expanded number of sample farms within each economic class.
[4] Landlord expenditures for real estate interest and taxes are included.

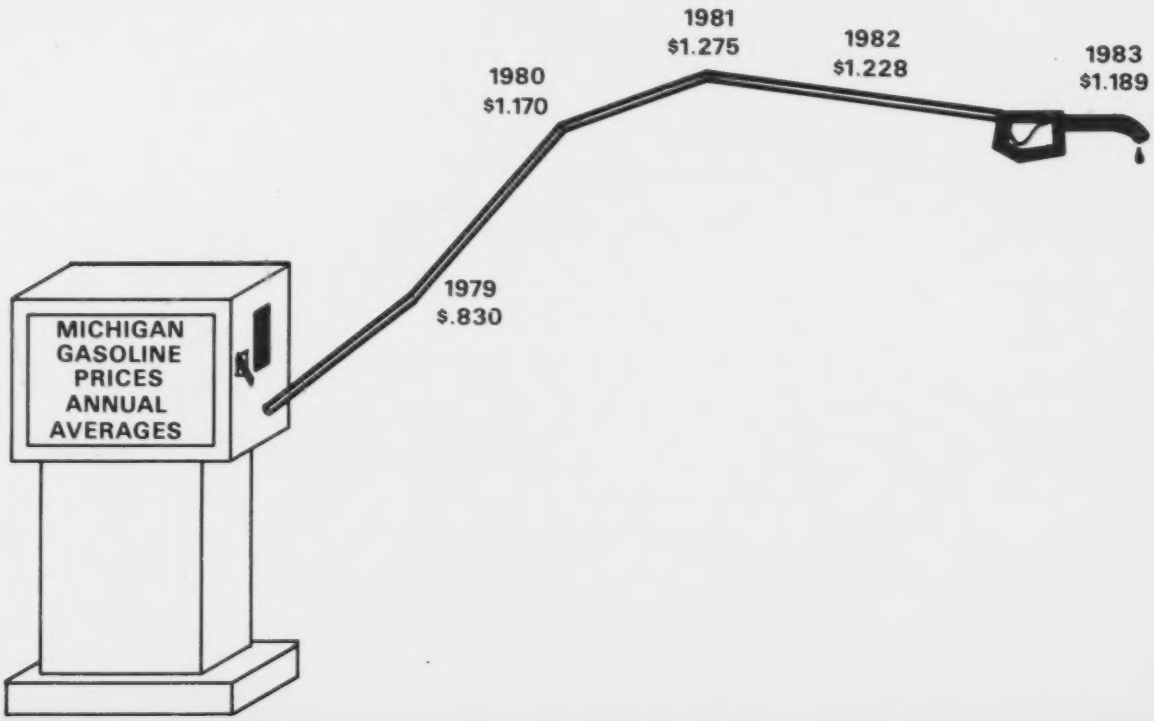
Prices Paid by Michigan Farmers: Annual Averages

COMMODITY	Unit	1983	1982	1981	1980	1979
				Dollars		
BUILDING MATERIALS:						
Framing lumber, 2" × 4" fir	M bd. ft.	**383.00**	370.00	396.00	370.00	400.00
Shingles, asphalt, 3 in 1	Sq.	**27.00**	27.50	29.00	29.00	26.00
Roofing, gal. steel, 28-29 Ga.	100 sq. ft.	**48.00**	47.50	47.00	43.00	40.50
Nails, 8d, common	Lb.	**.715**	.805	.775	.708	.595
Plywood, ½" C-D-X, 4'×8'	Sheet	**9.45**	8.85	10.05	10.50	11.25
Insulating sheathing, ½", 4'×8'	Sheet	**4.30**	4.10	4.20	3.55	3.85
Portland cement, 94 lb.	Bag	**5.90**	5.55	5.52	5.13	4.35
Paint, exterior	Gal.	**18.50**	18.85	17.75	15.40	14.00
FENCING:						
Barbed wire, 4 pt., 80 rds.	Spool	**42.75**	39.75	37.50	39.90	36.25
Woven wire, 32" high, 20 rds.	Roll	**81.75**	71.75	72.25	75.25	72.75
Post, wood	Ea.	**3.60**	3.45	3.72	3.12	2.25
Post, steel	Ea.	**3.30**	3.00	3.20	3.00	3.01
FEEDS:						
Chick starter	Ton	**245.00**	225.00	250.00	230.00	210.00
Laying feed	Ton	**210.00**	193.00	198.00	192.00	163.00
Dairy feed, 16%	Ton	**194.00**	178.00	207.00	189.00	165.00
Hog feed, 14-18%	Cwt.	**10.25**	9.50	10.90	9.75	8.70
Hog conc., 38-42%	Cwt.	**15.80**	14.70	15.90	15.40	14.69
Beef cattle conc., 32-36%	Cwt.	**14.70**	13.80	14.00	13.00	12.28
Soybean meal, 44%	Cwt.	**14.20**	13.30	15.40	14.00	13.28
Stock salt	Cwt.	**8.00**	7.60	7.10	6.30	5.36
MOTOR SUPPLIES:						
Gasoline, regular, bulk	Gal.	**1.189**	1.228	1.275	1.17	.83
Diesel fuel	Gal.	**1.056**	1.157	1.199	.998	.722
Motor oil, HD, detergent	Gal.	**4.20**	4.35	4.10	3.88	3.07
Grease, 35 lb.	Pail	**29.75**	28.90	28.15	24.60	19.65
Truck tire, 7.00-15, 6 ply	Ea.	**63.75**	65.75	60.75	59.00	51.12
Truck tire, 9.00-20, 10 ply	Ea.	**188.75**	190.00	177.50	156.50	141.50
Tractor tire, 15.5-38, 6 ply	Ea.	**293.75**	300.00	280.00	267.50	217.50
Tractor tire, 18.4-34, 6 ply	Ea.	**372.50**	371.00	365.00	341.00	272.50
Spark plugs	Ea.	**1.70**	1.70	1.70	1.52	1.55
FARM MACHINERY:						
Tractors: 30-39 hp.	Ea.	**11,800**	12,200	10,800	10,100	8,700
50-59 hp.	Ea.	**17,200**	16,200	14,700	13,500	12,200
110-129 hp.	Ea.	**40,200**	36,000	34,700	31,200	27,000
170-240 hp. 4-wd.	Ea.	**79,000**	71,300	65,700	59,000	50,200
Farm wagon[1]	Ea.	**1,800**	1,800	1,750	1,550	1,200
Manure spreader, 141-190 bu.[2]	Ea.	**5,000**	4,400	4,250	3,550	3,050
Corn planter, 4-row[3]	Ea.	**8,400**	7,000	6,100	5,600	4,700
Mower, 7 ft.	Ea.	**2,200**	2,300	1,850	1,800	1,450
Pick-up baler, pto	Ea.	**8,000**	6,800	5,900	5,500	5,200
Plows, 1-way: 3 bottom	Ea.	**2,400**	2,100	2,100	2,025	1,650
5 bottom	Ea.	**8,800**	7,600	6,700	5,850	5,450
7 bottom	Ea.	**12,500**	11,300	10,000	8,350	7,750
Disc harrow, tandem: 15-17 ft.	Ea.	**7,400**	6,150	5,850	6,000	4,875
Grain drill, 15-17 tube	Ea.	**4,075**	4,100	3,800	3,600	3,375
Cultivators, mounted: 4-row	Ea.	**2,200**	2,350	2,150	1,900	1,700
6-row	Ea.	**3,000**	3,000	2,700	2,550	2,150

Prices Paid by Michigan Farmers: Annual Averages — Continued

COMMODITY	Unit	1983	1982	1981	1980	1979
				Dollars		
FERTILIZERS:						
5-20-20	Ton	**156.00**	170.00	173.00	178.00	149.00
6-24-24	Ton	**190.00**	201.00	210.00	209.00	167.60
12-12-12	Ton	**154.00**	174.00	175.00	171.00	137.50
10-34-0	Ton	**238.00**	258.00	271.00	258.00	182.50
18-46-0	Ton	**236.00**	250.00	255.00	283.00	231.25
Ammonium Nitrate, 33.5% N	Ton	**190.00**	194.00	188.00	174.00	137.50
Anhydrous Ammonia	Ton	**238.00**	253.00	254.00	234.00	183.75
Urea, 45-46% N	Ton	**201.00**	220.00	246.00	232.00	181.25
Nitrogen solution, 28%	Ton	**131.00**	136.00	136.00	131.00	108.75
Super Phosphate, 46%	Ton	**201.00**	209.00	228.00	242.00	190.00
Muriate of Potash, 60%	Ton	**126.00**	136.00	141.00	135.00	117.50
Limestone	Ton	**15.60**	14.75	14.60	15.50	13.75
PESTICIDES:						
Malathion, 5 lb./gal. emul.	5 gal.	**97.50**	93.50	86.50	77.50	64.50
2, 4-D, 4 lb./gal. emul.	5 gal.	**55.00**	57.00	55.00	59.00	42.50
Atrazine, WP, 80%	5 lb.	**9.65**	10.25	10.75	9.00	9.45
Sevin, WP, 80%	10 lb.	**29.00**	25.75	23.50	22.00	19.50
Lasso, 4 lb./gal. emul.	5 gal.	**98.00**	93.00	84.50	79.50	77.00
UTILITIES:						
Electricity	Kw-hr.	**.069**	.065	.057	.056	.048
Telephone, Local Service	Month	**12.90**	11.60	10.60	9.00	9.00
LP Gas	Gal.	**.789**	.723	.733	.632	.449

[1] Gravity unload, less tires.
[2] Conveyor type, pto, 2-wheel.
[3] With fertilizer attachment.



Energy

In the fifth year of collecting sales data, the use of ethanol blended fuel continues to grow in Michigan. In 1983 "gasohol" consumption climbed to well over 566 million gallons, making Michigan the number one consumption state in the nation.

Acceptance of the fuel blend is attributed to two major aspects: the price of the fuel which at the retail level is supported by partial federal and state motor fuel tax exemptions; and the quality of the fuel. Motorists have found that the alcohol content is helping their cars run smoother and cleaner. Ethanol adds 3 octane numbers to unleaded regular gasoline.

While 1983 proved to be a banner year to ethanol blended fuel, there were problems that had to be overcome. Another alcohol was introduced to Michigan's fuel market — methanol. Unlike ethanol, which is made from the distillation of grains (starch) and sugar based feedstocks, methanol is made from natural gas, coal or even municipal wastes. In fact, both alcohols can be derived from wood.

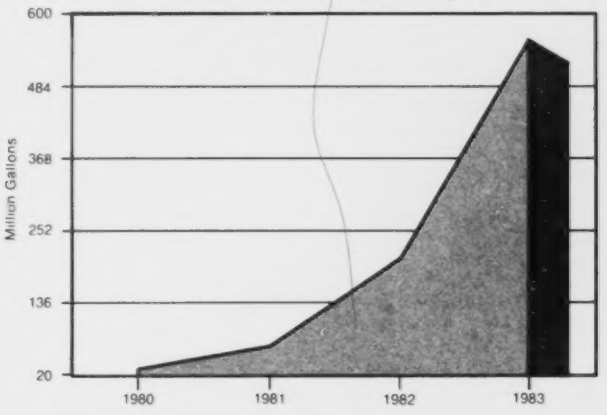
However, methanol being more corrosive than ethanol, can cause damage to the unmodified auto engine. Methanol when blended properly with the appropriate co-solvent, and corrosive inhibitors, can work well in automobiles. Methanol and ethanol blends will both be needed to help meet our state's liquid fuel needs in the coming decades. There are several fleet studies currently in progress nationally testing the effects of neat methanol (90% methanol, 10% gasoline) on cars modified to accomodate such a blend. Preliminary results look promising.

Gasohol Sold in Michigan

MONTHS	**1984**	1983	1982	1981	1980
	1,000 Gallons				
January	**36,656**	27,091	7,732	3,619	492
February	**45,887**	24,763	6,913	3,756	1,089
March	**39,274**	28,765	10,192	4,492	752
April		47,935	9,027	3,009	1,114
May		64,206	7,735	6,014	3,065
June		68,160	11,374	5,746	2,777
July		69,247	13,907	6,412	3,563
August		63,614	20,404	6,862	2,562
September		43,312	21,775	6,269	3,914
October		40,573	39,605	5,227	3,634
November		42,193	26,218	7,473	3,146
December		46,132	31,912	7,651	3,430
TOTAL		565,991	206,794	66,530	29,538

Source: Department of Treasury.

Gasohol Sales in Michigan



Commercial Fertilizer Usage, Michigan

YEAR[1]	Kind of Fertilizer: Mixtures	Kind of Fertilizer: Direct Application Materials Primary Nutrients	Kind of Fertilizer: Total[2]	Primary Nutrients: Total Nitrogen	Primary Nutrients: Available Phosphoric Acid	Primary Nutrients: Potash	Primary Nutrients: Total NPK[3]
	Tons			*Nutrient Tons*			
1983	**561,609**	**574,084**	**1,146,704**	**155,800**	**110,619**	**147,808**	**414,227**
1982	664,780	679,070	1,349,329	258,695	178,808	244,206	681,709
1981	680,086	709,215	1,393,553	260,136	176,515	264,912	701,563
1980	669,363	597,254	1,272,556	236,458	163,382	243,465	643,305
1979	685,086	610,937	1,303,350	239,842	173,699	249,769	663,310

[1] Years' end June 30.
[2] Total includes micronutrients not listed separatly.
[3] The sums of individual items may not equal totals due to rounding.

FIELD CROPS

General Information

Field crops for food and livestock feed are very important to Michigan's agricultural industry. A large share of Michigan's farm income is from crop sales. Many farmers also produce crops that they use to feed their livestock. In 1983 many farmers participated in the Payment in Kind (PIK) program. By enrolling in PIK farmers agreed to take acreage out of production and receive a specified amount of corn or wheat as payment for not planting. Michigan enrollment in PIK reduced corn and wheat acreage by close to 1 million acres. A severe drought also occurred in many midwestern States. The combined effects of the drought and PIK programs led to higher prices in 1983. Cash receipts from the sale of Michigan crops increased 5 percent even though 1 million fewer acres were harvested.

In Michigan cold wet weather throughout April slowed early field activity in 1983. May weather was also cool and wet making crop planting progress one of the slowest on record. Many fields were not planted until June. By July growing conditions were generally favorable. Timely rains in July and August kept the Michigan crop outlook good; Michigan did not feel the brunt of the Midwest drought. The above normal summer temperatures helped crops mature on time in spite of the late planting. Favorable fall weather kept harvest of most crops on schedule.

Michigan is the leading State in the production of all dry beans. It also leads the Nation in producing the following bean classes; Navy, Cranberry and Black Turtle. It also ranks in the top 10 States for producing sugarbeets, silage and grain corn, oats, spearmint and rye.

Acreage and Production, United States

CROP	Acreage Harvested		Unit	Yield per Acre		Production	
	1983	1982		**1983**	1982	**1983**	1982
	1,000 Acres					*1,000*	
Corn, for grain	**51,537**	73,030	Bu.	**81.6**	114.5	**4,203,777**	8,359,364
Corn, silage	**7,722**	7,879	Ton	**12.3**	14.3	**95,046**	112,627
Oats	**9,098**	10,618	Bu.	**52.5**	58.4	**477,303**	620,509
Barley	**9,902**	9,113	Bu.	**52.4**	57.3	**519,026**	522,387
Wheat, all	**61,492**	78,981	Bu.	**39.4**	35.6	**2,425,408**	2,812,297
Winter	**47,686**	58,487	Bu.	**41.8**	36.1	**1,993,888**	2,111,806
Durum	**2,492**	4,217	Bu.	**29.3**	35.0	**72,979**	147,503
Other Spring	**11,314**	16,277	Bu.	**31.7**	34.0	**358,541**	552,988
Rye	**923**	721	Bu.	**30.5**	29.1	**28,152**	20,954
Soybeans	**62,163**	69,821	Bu.	**25.7**	31.9	**1,595,437**	2,229,486
Hay, all	**60,461**	60,679	Ton	**2.36**	2.51	**142,979**	152,534
Hay, Alfalfa	**25,937**	26,598	Ton	**3.22**	3.41	**83,522**	90,678
Dry Beans	**1,105.7**	1,748.4	Cwt.	**13.80**	14.33	**15,254**	25,049
Potatoes, all	**1,239.1**	1,273.9	Cwt.	**263.0**	276.0	**325,721**	351,822
Sugarbeets	**1,055.0**	1,026.8	Ton	**20.0**	20.3	**21,111**	20,894
Peppermint, for oil	**59.3**	58.2	Lb.	**62.0**	60.0	**3,703**	3,482
Spearmint, for oil	**25.4**	22.5	Lb.	**55.0**	60.0	**1,398**	1,343

Field Crop Acreage, Production and Value; Michigan[1]

CROP	YEAR	Acreage		Production			Price Received[2]	Value of Production
		Planted	Harvested	Unit	Per Acre	Total		
		1,000			*1,000*		*Dollars per Unit*	*1,000 Dollars*
CORN, all	**1983**	**2,200**	—	—	—	—	—	—
	1982	3,150	—	—	—	—	—	—
	1981	3,200	—	—	—	—	—	—
	1980	2,950	—	—	—	—	—	—
	1979	2,900	—	—	—	—	—	—
CORN, for grain	**1983**	—	**1,800**	**Bu.**	**92**	**165,600**	**3.35**	**554,760**
	1982	—	2,740	Bu.	107	193,180	2.55	747,609
	1981	—	2,800	Bu.	96	268,800	2.39	642,432
	1980	—	2,560	Bu.	95	243,200	3.05	741,760
	1979	—	2,500	Bu.	95	237,500	2.46	584,250
CORN, silage	**1983**	—	**380**	**Ton**	**13.0**	**4,940**	**24.50**	**121,030**
	1982	—	390	Ton	14.0	5,460	19.40	105,924
	1981	—	370	Ton	14.0	5,180	19.80	102,564
	1980	—	365	Ton	14.0	5,110	19.20	98,112
	1979	—	370	Ton	13.5	4,995	16.20	80,919
WINTER WHEAT	**1983**	**830**	**730**	**Bu**	**49**	**35,770**	**3.35**	**119,830**
	1982	650	560	Bu.	41	22,960	3.33	76,457
	1981	840	830	Bu.	50	41,500	3.47	144,005
	1980	820	800	Bu.	44	35,200	3.60	126,720
	1979	750	735	Bu.	43	31,605	3.82	120,731
OATS	**1983**	**450**	**300**	**Bu.**	**52**	**15,600**	**1.90**	**29,640**
	1982	475	450	Bu.	63	28,350	1.49	42,242
	1981	360	340	Bu.	62	21,080	1.97	41,528
	1980	355	335	Bu.	60	20,100	1.85	37,185
	1979	330	310	Bu.	61	18,910	1.45	27,420
BARLEY	**1983**	**35**	**33**	**Bu.**	**49**	**1,617**	**2.80**	**4,528**
	1982	38	36	Bu.	59	2,124	2.39	5,076
	1981	27	26	Bu.	54	1,404	2.98	4,184
	1980	23	21	Bu.	53	1,113	3.75	4,174
	1979	21	20	Bu.	47	940	2.65	2,491
RYE	**1983**	**135**	**20**	**Bu.**	**30**	**600**	**2.05**	**1,230**
	1982	135	18	Bu.	29	522	3	1,566
	1981	130	16	Bu.	28	448	2	1,299
	1980	130	21	Bu.	24	504	2	1,436
	1979	135	25	Bu.	25	625	2	1,719
SOYBEANS	**1983**	**1,050**	**1,040**	**Bu.**	**32**	**33,280**	**8.25**	**274,560**
	1982	1,150	1,140	Bu.	31	35,340	5.46	192,956
	1981	1,050	1,040	Bu.	30	31,200	6.02	187,824
	1980	980	970	Bu.	33	32,010	7.47	239,115
	1979	1,020	1,010	Bu.	30	30,300	6.13	185,739
DRY BEANS[3]	**1983**	**360**	**350**	**Cwt.**	**1,300**	**4,550**	**24.10**	**109,655**
	1982	560	550	Cwt.	1,450	7,975	13.70	109,258
	1981	650	590	Cwt.	1,220	7,198	25.60	184,269
	1980	590	570	Cwt.	1,360	7,752	26.40	204,653
	1979	470	460	Cwt.	1,400	6,440	18.50	119,140

Field Crop Acreage, Production and Value; Michigan[1]

CROP	YEAR	Acreage		Production			Price Received[2]	Value of Production
		Planted	Harvested	Unit	Per Acre	Total		
		1,000			*1,000*		*Dollars per Unit*	*1,000 Dollars*
SUGARBEETS	**1983**	**106.0**	**104.0**	**Ton**	**19.0**	**1,976**	[4]	[4]
	1982	97.5	96.5	Ton	19.2	1,853	35.80	66,337
	1981	102.0	99.0	Ton	20.5	2,030	26.50	53,795
	1980	99.0	97.0	Ton	19.5	1,892	40.70	77,004
	1979	93.0	88.0	Ton	17.6	1,550	38.90	60,295
POTATOES, all	**1983**	**55.0**	**52.8**	**Cwt.**	**228**	**12,023**	**6.15**	**73,941**
	1982	51.5	49.3	Cwt.	260	12,796	4.65	59,501
	1981	47.0	44.8	Cwt.	235	10,535	6.30	66,371
	1980	44.5	43.3	Cwt.	231	10,020	6.65	66,633
	1979	41.9	40.6	Cwt.	235	9,548	4.44	42,393
POTATOES, summer	**1983**	**12.0**	**11.8**	**Cwt.**	**185**	**2,183**	[4]	[4]
	1982	10.5	10.3	Cwt.	220	2,266	4.45	10,084
	1981	10.0	9.8	Cwt.	200	1,960	7.05	13,818
	1980	9.5	9.3	Cwt.	200	1,860	6.75	12,555
	1979	8.9	8.6	Cwt.	180	1,548	4.40	6,811
POTATOES, fall	**1983**	**43.0**	**41.0**	**Cwt.**	**240**	**9,840**	[4]	[4]
	1982	41.0	39.0	Cwt.	270	10,530	4.70	49,491
	1981	37.0	35.0	Cwt.	245	8,575	6.15	52,736
	1980	35.0	34.0	Cwt.	240	8,160	6.60	53,856
	1979	33.0	32.0	Cwt.	250	8,000	4.45	35,600
HAY, all	**1983**	**—**	**1,400**	**Ton**	**3.19**	**4,470**	**59.50**	**265,965**
	1982	—	1,370	Ton	3.17	4,347	54.50	236,912
	1981	—	1,270	Ton	3.22	4,094	56.50	231,311
	1980	—	1,310	Ton	3.09	4,048	36.50	147,752
	1979	—	1,330	Ton	2.96	3,937	36.00	141,732
HAY, alfalfa	**1983**	**—**	**1,100**	**Ton**	**3.60**	**3,960**	**—**	**—**
	1982	—	1,050	Ton	3.50	3,675	—	—
	1981	—	1,000	Ton	3.50	3,500	—	—
	1980	—	1,020	Ton	3.40	3,468	—	—
	1979	—	1,040	Ton	3.20	3,328	—	—
SPEARMINT, for oil	**1983**	**—**	**3.8**	**Lb.**	**31**	**118**	**13.00**	**1,534**
	1982	—	3.9	Lb.	32	125	14.30	1,788
	1981	—	3.8	Lb.	31	118	15.50	1,829
	1980	—	3.7	Lb.	29	107	13.70	1,466
	1979	—	3.8	Lb.	31	118	13.00	1,534

[1] Some estimates on these pages for 1978-1983 crop years have been revised. Revisions were made based on data that became available later, especially the 1982 Census of Agriculture. The revisions were released in June 1984. County estimates which begin on page 59, will be recomputed to the revised levels in early 1985.

[2] Marketing year.

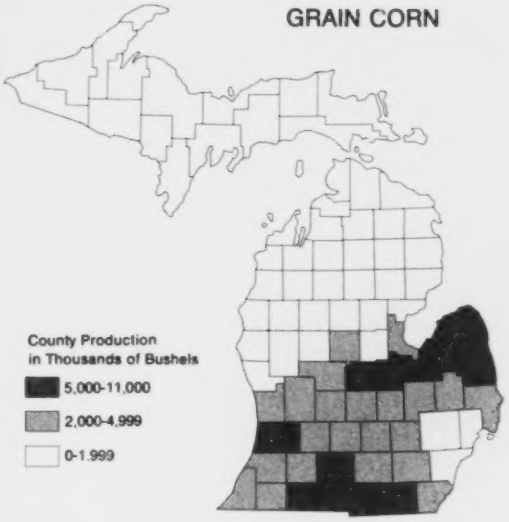
[3] Production per acre in pounds.

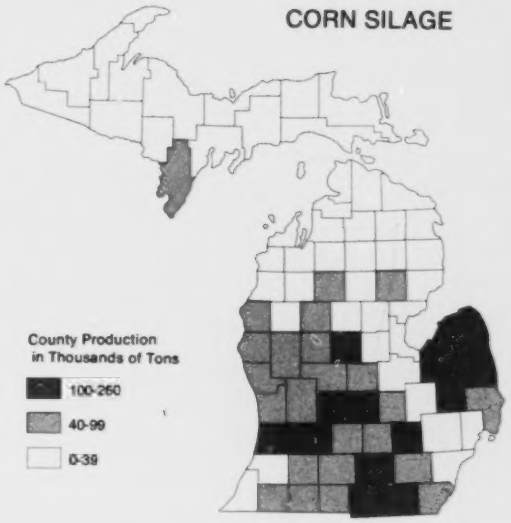
[4] Not available at publication time.

Corn

Corn continues to be Michigan's leading crop in both acreage and value. The 1983 corn for grain crop was valued at 555 million dollars. Overall corn acreage was down sharply, due to heavy participation in the Payment In Kind (PIK) program. Enrollment in the PIK program reduced acreage normally harvested for grain. Grain acreage declined 34 percent and was at the lowest level since 1972. Corn silage acreage was unchanged from a year ago.

Grain production was finalized at just over 166 million bushels the lowest level since 1976. Overall yields were reduced by adverse weather during the 1983 growing season. This years average yield of 92 bushels per acre was far below the record yield set in 1982. Michigan retained it's ranking as the eighth largest corn producing State in the Nation. Major corn producing states were hurt by the drought conditions during the 1983 growing season. Nationally, corn production in 1983 totaled 4.2 billion bushels, half as large as the record high 1982 crop and the smallest crop since 1970.





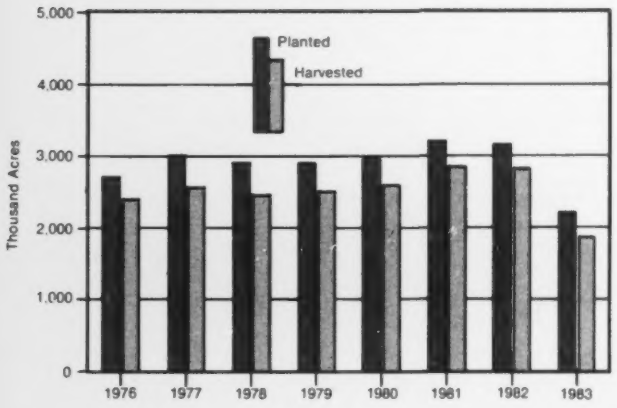
Grain Corn Acreage, Yield, Production

YEAR	Acres Harvested	Yield per Acre	Production
	1,000	*Bushels*	*1,000 Bushels*
1983	**1,800**	**92**	**165,600**
1982	2,740	107	293,180
1981	2,800	96	268,800
1980	2,560	95	243,200
1979	2,500	95	237,500

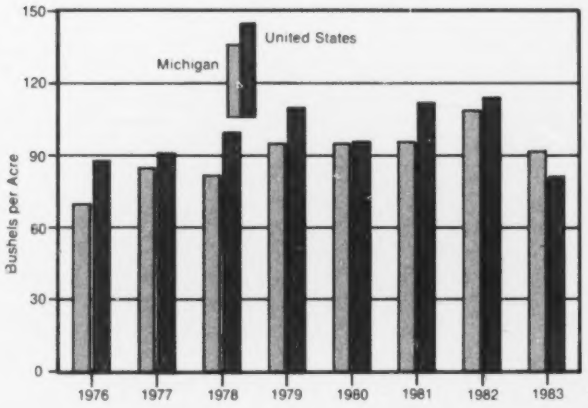
Corn Silage Acreage, Yield, Production

YEAR	Acres Harvested	Yield per Acre	Production
	1,000	*Tons*	*1,000 Tons*
1983	**380**	**13.0**	**4,940**
1982	390	14.0	5,460
1981	370	14.0	5,180
1980	365	14.0	5,110
1979	370	13.5	4,995

Michigan Corn Acreage



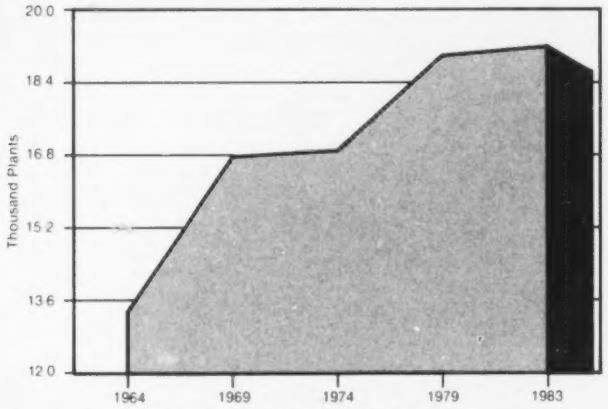
Corn for Grain Yields



Grain Corn Stocks by Quarter

YEAR	January 1		April 1		June 1		October 1	
	On Farm	Off Farm	On Farm	Off Farm	On Farm	Off Farm	On Farm	Off Farm
	1,000 Bushels							
1984	**107,640**	**57,400**	**54,648**	**31,553**	**33,120**	**20,631**		
1983	199,362	58,646	143,658	48,040	117,272	47,658	64,500	41,090
1982	158,592	52,775	118,272	36,145	102,144	27,548	43,008	14,797
1981	128,896	47,234	80,256	26,901	60,800	17,458	17,024	8,779
1980	142,500	42,376	97,375	27,477	68,875	19,225	16,625	7,707
1979	128,304	35,485	83,592	23,736	46,656	16,904	19,440	3,798

Corn For Grain: Plant Population per Acre



Based on stalk counts in plots selected for objective yield samples

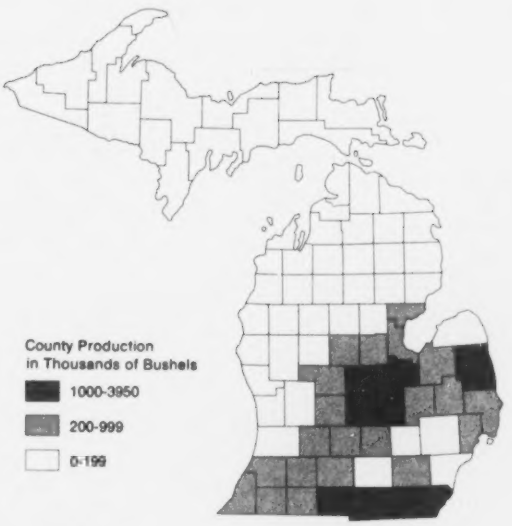
Corn For Grain: Plant Population Per Acre[1]

YEAR	MICHIGAN	ILLINOIS	INDIANA	IOWA	MINNESOTA	OHIO	WISCONSIN
1983	**19,200**	**22,000**	**20,900**	**21,800**	**20,700**	**20,800**	**20,300**
1982	20,700	22,200	21,700	21,100	20,700	21,700	20,900
1981	18,800	20,700	19,700	20,800	19,500	20,800	20,100
1980	19,300	21,200	21,100	20,200	19,600	21,400	19,800
1979	19,000	20,600	20,000	20,300	20,200	20,700	19,600
1974	16,900	18,600	18,700	18,600	18,200	18,900	13,500
1969	16,768	18,605	16,956	17,412	18,175	17,702	17,626
1964	13,358	14,172	14,055	14,288	14,636	14,113	14,752

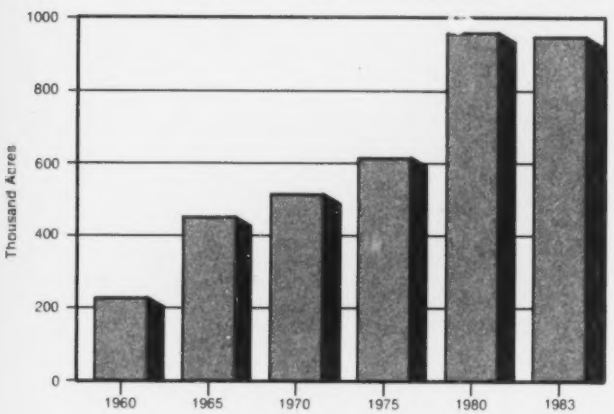
[1] Based on stalk counts in plots selected for objective yield samples.

Soybeans

Planting of the 1983 soybean crop was hampered by excess moisture during May. Despite the late start, favorable weather during June enabled growers to complete planting nearly on schedule. Timely rains during the growing season largely offset the stress of above normal temperatures during the summer. Yields were generally better than expected and averaged only one bushel below the record established by the 1980 crop. Although acreage declined during 1983, it remained above one million acres for the third consecutive year. Michigan soybeans are grown primarily for their oil content, but after crushing, the meal by-product is an excellent source of protein for livestock feed. Michigan was the 13th largest soybean producing state in the Nation in 1983.



Michigan Soybean Acreage Planted



Acreage, Yield, Production

YEAR	Acres Harvested	Yield per Acre	Production
	1,000	*Bushels*	*1,000 Bushels*
1983	**1,040**	**32**	**33,280**
1982	1,140	31	35,340
1981	1,040	30	31,200
1980	970	33	32,010
1979	1,010	30	30,300

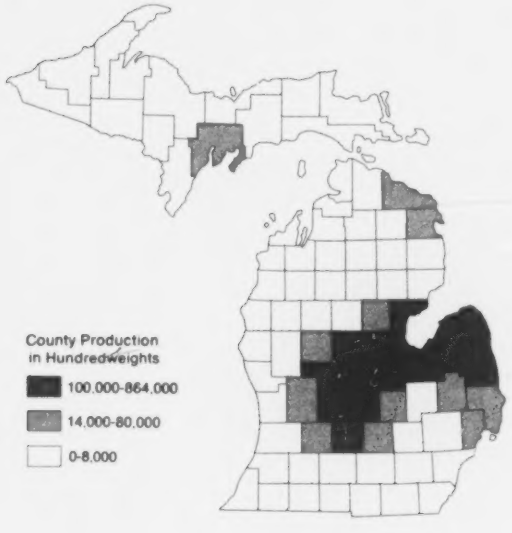
Soybean Stocks by Quarter

YEAR	January 1		April 1		June 1		September 1	
	On Farm	Off Farm	On Farm	Off Farm	On Farm	Off Farm	On Farm	Off Farm
	1,000 Bushels							
1984	**8,986**	**10,634**	**4,659**	**6,095**	**1,997**	**3,372**		
1983	17,670	7,871	10,602	4,017	6,008	3,925	1,767	1,495
1982	12,480	6,718	8,736	4,514	5,304	3,169	1,248	885
1981	9,603	9,406	8,003	6,567	5,762	4,499	1,280	1,465
1980	15,150	9,481	7,272	6,885	5,454	5,223	606	3,111
1979	10,800	6,055	5,184	3,701	2,160	1,710	432	455

Dry Beans

Dry beans make an important contribution to Michigan farm income. The 1983 crop is valued at about 110 million dollars. The fertile soils of the Bay-Thumb area and Saginaw Valley are particularly well suited for bean production. About 30 percent of all dry edible beans in the U.S. and over 80 percent of all Navy beans are Michigan grown.

Faced with a burdensome carry-over of 1982 crop Navy beans and reduced demand for colored classes growers reduced 1983 acreage by 36 percent. Wet fields delayed planting and development was behind normal throughout the season. Favorable weather during September enabled most bean fields to reach their full yield potential. Yields averaged 1,300 pounds per acre, 150 pounds below the previous years record. Quality of the 1983 crop was excellent.



Dry Bean Production By Kinds

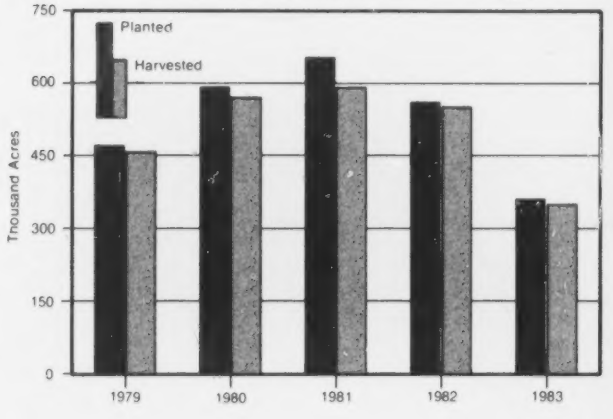
KIND	1983	1982	1981	1980	1979
			1,000 Cwt.		
Navy Beans	**3,750**	6,497	4,070	4,827	5,260
Red Kidney	**207**	450	335	390	410
Cranberry	**374**	420	320	330	310
Pinto	**26**	120	348	850	112
Black Turtle	**28**	140	1,990	1,210	165
Others	**165**	348	135	145	183
Total	**4,550**	7,975	7,198	7,752	6,440

Dry Bean Acreage, Yield, Production

KIND	Year	Harvested Acres	Yield per Acre	Production
		1,000	Pounds	1,000 Cwt.
Navy[1]	**1983**	**293**	**1,280**	**3,750**
	1982	455	1,430	6,497
	1981	370	1,100	4,070
	1980	370	1,305	4,827
	1979	375	1,400	5,260
Other Than Navy[1]	**1983**	**57**	**1,400**	**800**
	1982	95	1,560	1,478
	1981	220	1,420	3,128
	1980	200	1,460	2,925
	1979	85	1,390	1,180
Total	**1983**	**350**	**1,300**	**4,550**
	1982	550	1,450	7,975
	1981	590	1,220	7,198
	1980	570	1,360	7,752
	1979	460	1,400	6,440

[1] Yield derived

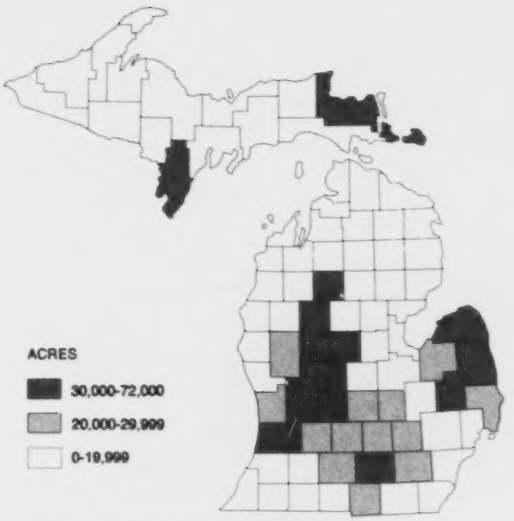
Michigan Dry Edible Bean Acreage



Hay

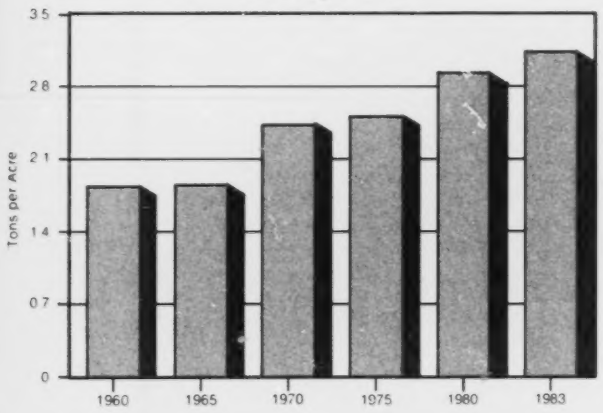
Hay is Michigan's second leading field crop in terms of value of production. The 1983 crop is valued at over 261 million dollars. Most hay is utilized by livestock producers as part of their feeding operations, while other farmers sell it as a cash crop. Hay is grown in virtually all areas of the state with alfalfa accounting for about 85 percent of production.

Growing conditions were generally favorable during 1983 despite hot weather in July and August. Conditions during the summer were nearly ideal for curing and baling. Production at a record 4.4 million tons was up slightly from 1982. Total yield for all cuttings (normally three per season) averaged 3.1 tons per acre, down slightly from last year. Alfalfa yields benefited from excellent first and third cuttings and were at a record level for the second straight year.



Source: 1982 Census of Agriculture

All Hay Yields



Production by Kinds

CROP YEAR	Total	Alfalfa and Alfalfa Mixtures		All Other Kinds	
		Acres	Production	Acres	Production
	1,000 Tons	*1,000*	*1,000 Tons*	*1,000*	*1,000 Tons*
1983	**4,470**	**1,100**	**3,960**	**300**	**510**
1982	4,347	1,050	3,675	320	672
1981	4,094	1,000	3,500	270	594
1980	4,048	1,020	3,468	290	580
1979	3,937	1,040	3,328	290	609

Acreage, Yield, Production

YEAR	Acres Harvested	Yield per Acre	Production
	1,000	*Tons*	*1,000 Tons*
1983	**1,400**	**3.19**	**4,470**
1982	1,370	3.17	4,347
1981	1,270	3.22	4,094
1980	1,310	3.09	4,048
1979	1,330	2.96	3,937

Hay Stocks on Farms

YEAR	January 1	May 1
	1,000 Tons	
1984	**2,458**	**615**
1983	2,540	788
1982	2,220	506
1981	2,306	769
1980	2,491	1,150

Monthly Farm Marketings

Corn

MONTH	CROP YEAR				
	1982	1981	1980	1979	1978
	Percent				
October	**9**	6	15	9	9
November	**18**	20	21	17	14
December	**13**	12	10	13	12
January	**10**	8	12	3	13
February	**9**	6	5	4	6
March	**11**	9	6	6	8
April	**6**	10	7	5	8
May	**6**	9	10	8	8
June	**5**	7	4	11	8
July	**4**	7	3	6	6
August	**5**	3	10	3	3
September	**4**	3	4	8	5

Soybean

MONTH	CROP YEAR				
	1982	1981	1980	1979	1978
	Percent				
September	**1**	5	14	1	0
October	**25**	15	25	27	18
November	**22**	20	19	13	9
December	**11**	9	3	9	6
January	**11**	9	5	7	3
February	**6**	5	6	7	5
March	**5**	8	6	9	18
April	**5**	12	5	6	16
May	**2**	7	4	7	10
June	**2**	4	4	7	11
July	**6**	3	4	4	2
August	**4**	3	5	3	2

Dry Beans

MONTH	CROP YEAR				
	1982	1981	1980	1979	1978
	Percent				
September	**11**	14	23	20	20
October	**24**	25	26	22	14
November	**7**	15	11	9	9
December	**6**	9	8	6	7
January	**7**	8	7	6	8
February	**5**	6	6	9	5
March	**4**	6	7	6	5
April	**6**	4	3	2	7
May	**11**	7	4	2	7
June	**8**	4	3	6	8
July	**5**	1	1	8	6
August	**6**	1	1	4	4

Wheat

MONTH	CROP YEAR				
	1982	1981	1980	1979	1978
	Percent				
July	**25**	41	25	20	19
August	**26**	24	38	32	25
September	**6**	10	18	15	30
October	**2**	4	2	7	4
November	**4**	2	2	3	1
December	**5**	3	1	3	3
January	**10**	3	4	4	4
February	**7**	2	2	5	1
March	**7**	5	2	4	2
April	**3**	2	2	1	4
May	**3**	3	2	3	3
June	**2**	1	2	3	4

Oats

MONTH	CROP YEAR				
	1982	1981	1980	1979	1978
	Percent				
July	**4**	19	9	8	4
August	**34**	39	46	26	42
September	**5**	5	7	16	5
October	**2**	3	3	4	2
November	**3**	3	3	2	1
December	**7**	4	4	4	4
January	**8**	4	6	6	5
February	**7**	5	5	5	4
March	**8**	7	6	8	7
April	**11**	3	4	9	14
May	**6**	5	4	6	5
June	**5**	3	3	6	7

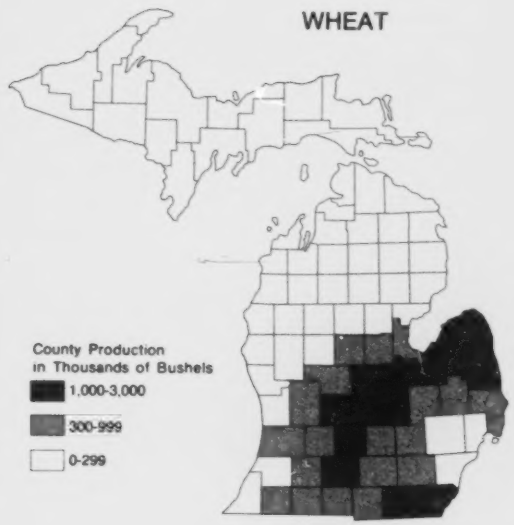
Hay

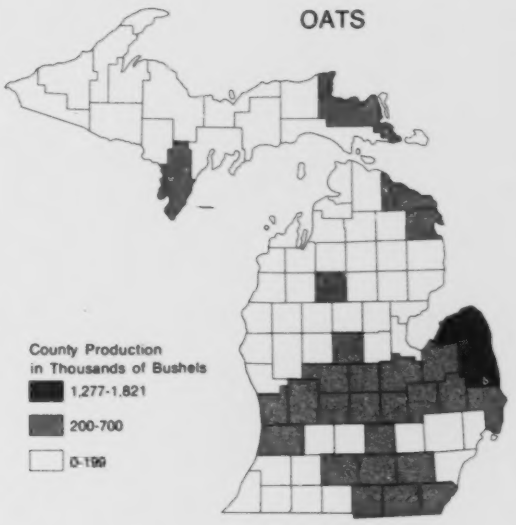
MONTH	CROP YEAR				
	1982	1981	1980	1979	1978
	Percent				
June	**12**	14	12	15	20
July	**9**	11	8	10	13
August	**8**	11	9	6	9
September	**5**	7	5	5	6
October	**4**	7	5	4	4
November	**8**	6	4	7	5
December	**9**	9	12	9	7
January	**9**	10	10	9	8
February	**9**	8	7	7	8
March	**10**	8	11	11	9
April	**9**	4	9	10	7
May	**8**	5	6	7	4

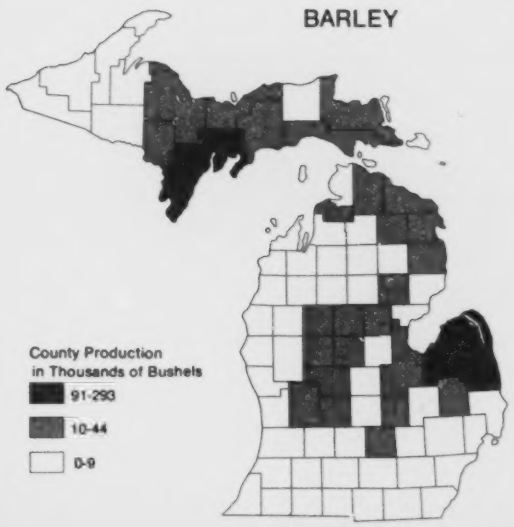
Wheat, Oats, Barley and Rye

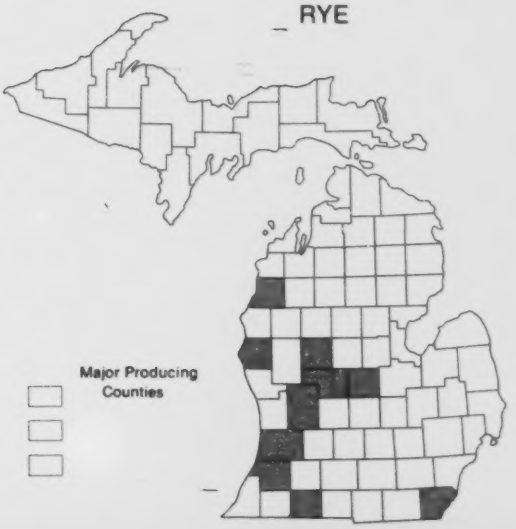
Michigan winter wheat production rebounded sharply during 1983 and totaled 35.8 million bushels. Planted acreage at 830,000 acres returned to a near normal level. However, a significant portion of the crop was not harvested for grain due to farmer participation in the Payment-In-Kind (PIK) program. Growing conditions were generally favorable but some heat stress was noted during late June and early July. Yields averaged 49 bushels per acre, one bushel below the record established during 1981. Last year's oats crop was plagued by adverse weather throughout much of the growing season. A cool, wet spring hampered planting and slowed germination. The hot, dry weather during the critical kernel filling stage reduced yields to the lowest level since 1976. Lower yields and reduced acreage for harvest dropped oats production to the lowest level since 1876. Barley output also declined sharply from the previous year and totaled 1.6 million bushels. Rye production increased slightly from the previous year.

Most small grains in Michigan are sold for use in manufactured foods or as livestock feed. Bakeries turn soft white winter wheat into cookies, cakes and breakfast cereals. Barley is used primarily by breweries. Rye is planted primarily as a winter cover crop, while oats are grown mostly for livestock feed.









Source: 1982 Census of Agriculture

Wheat Acreage, Yield, Production

YEAR	Acres Harvested	Yield per Acre	Production
	1,000	*Bushels*	*1,000 Bushels*
1983	**730**	**49**	**35,770**
1982	560	41	22,960
1981	830	50	41,500
1980	800	44	35,200
1979	735	43	31,605

Oats Acreage, Yield, Production

YEAR	Acres Harvested	Yield per Acre	Production
	1,000	*Bushels*	*1,000 Bushels*
1983	**300**	**52**	**15,600**
1982	450	63	28,350
1981	340	62	21,080
1980	335	60	20,100
1979	310	61	18,910

Barley Acreage, Yield, Production

YEAR	Acres Harvested	Yield per Acre	Production
	1,000	*Bushels*	*1,000 Bushels*
1983	**33**	**49**	**1,617**
1982	36	59	2,124
1981	26	54	1,404
1980	21	53	1,113
1979	20	47	940

Rye Acreage, Yield, Production

YEAR	Acres Harvested	Yield per Acre	Production
	1,000	*Bushels*	*1,000 Bushels*
1983	**20**	**30**	**600**
1982	18	29	522
1981	16	28	448
1980	21	24	504
1979	25	25	625

Small Grain Stocks by Quarter[1]

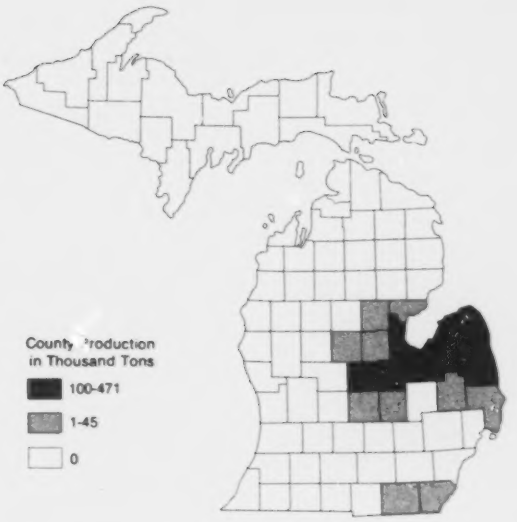
CROP	Crop Year	October 1		January 1		April 1		June 1	
		On Farm	Off Farm	On Farm	Off Farm	On Farm	Off Farm	On Farm	Off Farm
		1,000 Bushels							
WHEAT	**1983**	**6,081**	**19,164**	**4,650**	**15,680**	**3,219**	**9,664**	**1,789**	**5,729**
	1982	3,444	16,130	2,755	10,050	2,066	7,140	1,607	4,998
	1981	6,225	15,245	4,565	12,802	2,905	9,585	2,490	6,652
	1980	8,448	22,701	7,392	15,608	2,816	12,659	2,112	7,499
	1979	6,005	14,137	4,741	11,855	2,212	6,026	1,264	3,616
OATS	**1983**	**11,700**	**2,863**	**7,488**	**1,837**	**4,056**	**1,559**	**2,184**	**1,067**
	1982	17,010	6,820	14,175	3,532	7,088	2,397	5,103	1,601
	1981	13,070	3,197	10,962	1,846	5,270	1,452	2,108	798
	1980	13,467	3,535	11,457	1,982	5,025	1,341	2,814	906
	1979	13,237	4,903	11,346	2,497	6,619	2,349	3,215	873
BARLEY	**1983**	**1,455**	[2]	**1,213**	[2]	**728**	[2]	**404**	[2]
	1982	1,593	[2]	1,274	[2]	680	[2]	489	[2]
	1981	842	[2]	562	[2]	281	[2]	183	[2]
	1980	668	[2]	501	[2]	312	[2]	167	[2]
	1979	564	[2]	423	[2]	263	[2]	169	[2]
RYE	**1983**			**ESTIMATE DISCONTINUED**					
	1982	255	[2]	96	[2]	64	[2]	32	[2]
	1981	266	10	106	[2]	80	[2]	27	[2]
	1980	302	25	176	6	101	5	50	3
	1979	344	74	231	28	188	20	94	9

[1] Includes interior mills, elevators and warehouses, cereal food processing plants, census merchant mills, terminal and C.C.C. bins.
[2] Not published to avoid disclosing individual operations.

Sugarbeets

Sugarbeets are grown primarily for the sucrose they produce which is refined into sugar. The pulp, a by-product, is also a valuable livestock feed when combined with other feed ingredients. Sugarbeets contributed more than $60 million last year to Michigan's farm income. Michigan is the fifth largest producer of sugarbeets in the nation.

Sugarbeet production during 1983 totaled nearly 2 million tons, a 7 percent increase from the previous year. Most of the 9 percent increase in planted acreage occurred in southeast Michigan where growers planted sugarbeets after a one year absence.



Acreage, Yield, Production

YEAR	Acres Harvested	Yield per Acre	Production
	1,000	*Tons*	*1,000 Tons*
1983	**104.0**	**19.0**	**1,976**
1982	96.5	19.2	1,853
1981	99.0	20.5	2,030
1980	97.0	19.5	1,892
1979	88.0	17.6	1,550

Source: 1982 Census of Agriculture

Spearmint

Michigan's 1983 spearmint crop totaled 118,000 pounds of oil with a value of over 1.5 million dollars. Mint got off to a slow start due to the cool wet spring. Average yields were near normal despite the hot weather during the summer. Harvested acreage in recent years has been fairly steady at about 3,800 acres.

Most Michigan spearmint goes to processors which produce oil to be further refined for use in such products as gum, medicine, soap, and toothpaste. The major producting area is Central Lower Michigan. Michigan ranks fourth Nationwide, in spearmint production.

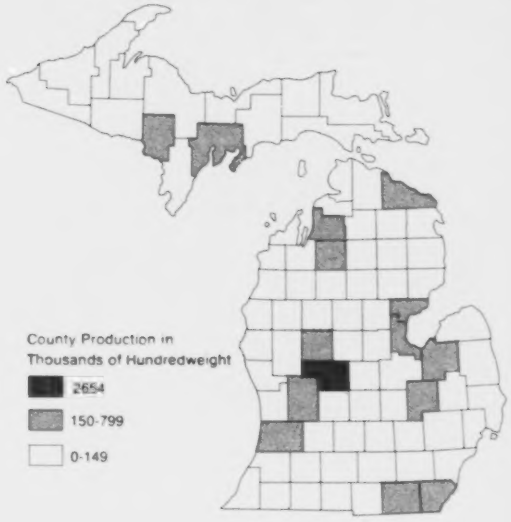
Acreage, Yield, Production

YEAR	Acres Harvested	Production – Oil	
		Per Acre	Total
		Pounds	1,000 Pounds
1983	**3,800**	**31**	**118**
1982	3,900	32	125
1981	3,800	31	118
1980	3,700	29	107
1979	3,800	31	118

Potatoes

Potatoes are an important cash crop for Michigan farmers and are grown throughout the state. Montcalm and Bay counties are the major producing areas and account for about a third of the states acreage. Higher prices enabled producers to earn over $54 million from sales of the 1983 crop.

Annual production is divided into summer and fall seasons, with the fall crop accounting for 84 percent of total 1983 production. Unfavorable weather throughout much of the growing season reduced yield potential for both the summer and fall crops. Despite the decline in production, Michigan remained the eleventh largest potato producing state in the nation.



Total Acreage, Yield, Production

YEAR	Acres Harvested	Yield per Acre	Production
	1,000	*Cwt.*	*1,000 Cwt.*
1983	**52.8**	**228**	**12,023**
1982	49.3	260	12,796
1981	44.8	235	10,535
1980	43.3	231	10,020
1979	40.6	235	9,548

Production and Disposition

SEASON	Year	Production	Total Used for Seed[1]	Used on Farm Where Grown		Sold
				For Seed, Feed and Household Use	Shrink & Loss	
			1,000 Cwt.			
SUMMER	**1983**	**2,183**	[2]	[2]	[2]	[2]
	1982	2,266	164	60	72	1,428
	1981	1,960	160	52	151	1,250
	1980	1,860	187	87	49	1,483
	1979	1,548	179	60	38	1,450
FALL	**1983**	**9,840**	[2]	[2]	[2]	[2]
	1982	10,530	665	165	600	7,320
	1981	8,575	683	180	900	5,970
	1980	8,160	608	175	725	6,503
	1979	8,000	618	215	752	7,033
TOTAL	**1983**	**12,023**	[2]	[2]	[2]	[2]
	1982	12,796	829	225	672	8,748
	1981	10,535	843	232	1,051	7,220
	1980	10,020	795	262	774	7,986
	1979	9,548	797	275	790	8,483

[1] Includes seed purchased and seed used on farms where grown.
[2] Not available at publication time.

Fall Potato Stocks

CROP YEAR	December 1	January 1	February 1	March 1	April 1	May 1
			1,000 Cwt.			
1983	**5,500**	**4,500**	**3,300**	**2,400**	**1,700**	**700**
1982	6,400	5,400	4,200	3,000	1,800	1,200
1981	5,000	3 900	2,800	2,000	1,200	700
1980	4,500	3,300	2,200	1,400	800	400
1979	5,400	4,400	3,400	2,400	1,500	700

Production Index by Groups, Michigan (1977 = 100)

YEAR	All Crops[1]	Feed Grains[2]	Hay	Cash Crops[3]	Fruit
1983	**106**	**82**	**154**	**108**	**113**
1982	134	146	153	103	152
1981	125	128	136	115	104
1980	118	116	135	108	136
1979	111	112	134	96	109

[1] Includes feed grains, hay, cash crops and fruit.
[2] Corn, oats and barley.
[3] Wheat, dry beans, soybeans, sugarbeets and potatoes.

Production Index by Groups, United States (1977 = 100)

YEAR	All Crops[1]	Feed Grains	Hay and Forage	Food Grains	Sugar Crops
1983	**87**	**67**	**101**	**117**	**96**
1982	118	124	110	140	96
1981	116	121	106	144	107
1980	101	97	98	121	97
1979	113	116	108	108	94

[1] Includes vegetables, fruits, nuts and some other crops not in separate groups shown, and farm vegetable gardens.

Michigan Crop Acreage, Production and Value

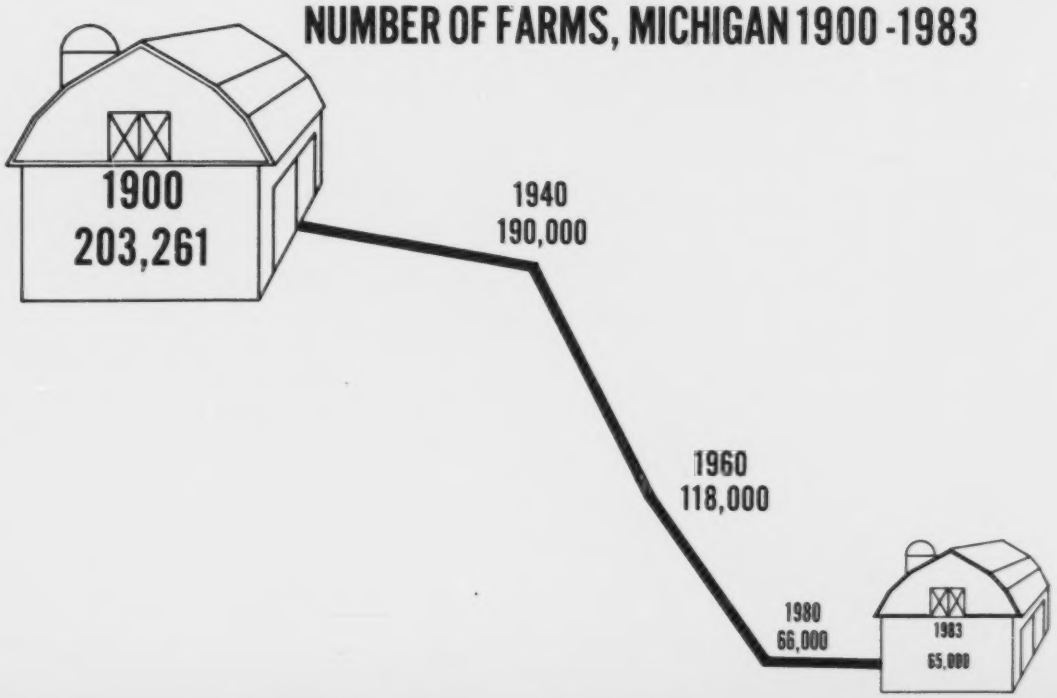
CATEGORIES AND ANNUAL TOTALS	Acreage Harvested	Total Production	Value of Production
	1,000 Acres	*1,000 Tons*	*1,000 Dollars*
1983 CROPS:			
Field Crops[1]	**6,104**	**18,021**	**1,575,981[2]**
Fruit	**104**	**535**	**141,716**
Vegetables:	**63**	**566**	**105,227**
TOTAL CROPS:			
1983	**6,271**	**19,122**	**1,822,924[2]**
1982	7,508	23,458	1,853,964
1981	7,518	22,015	1,841,840

[1] Includes minor crops.
[2] Includes 1983 sugarbeet production valued at the 1982 level.

Farm Numbers and Acreage, Michigan[1]

YEAR	Number of Farms	Average Size Per Farm	Total Land in Farms
		Acres	*1,000 Acres*
1983	**65,000**	**177**	**11,500**
1982	65,000	177	11,500
1981	66,000	174	11,500
1980	66,000	173	11,400
1970	84,000	151	12,700
1960	118,000	131	15,400
1950	161,000	111	17,900
1940	190,000	97	18,400
1930	179,000	101	18,000
1920	196,447	97	19,033
1910	206,960	92	18,941
1900	203,261	86	17,562

[1] Starting with 1979, USDA estimates of farm numbers and land in farms is based on the definition: a farm is a place as of June 1 that sells or could sell $1,000 of agricultural products during the year. Prior to 1979 farm definition was: places of 10 or more acres that had annual sales of $50 or more or places that had annual sales of $250 or more.



FRUIT

General Information

Michigan is one of the major fruit producing states in the Nation. This is largely due to the moderating influence that Lake Michigan has on the weather. The fruit industry is concentrated along the Western coast of the Lower Peninsula where the "lake effect" is strongest. Cold air passing over the unfrozen lake in the winter is warmed while hot air passing over in the summer is cooled. The moderate climate that results is ideal for fruit production. The "lake effect" during the spring delays fruit tree bloom. This helps to insure that the possibility of freeze damage will be lessened. Overall production of Michigan's seven major fruit crops during 1983 fell 29 percent to just under 1.1 billion pounds. An abnormally warm winter was followed by below average spring temperatures culminating in a series of spring freezes in early May. Cold, wet weather continued until mid-June when hot, dry conditions set in. Most fruits got off to a slow start due to the cool spring with bloom dates generally later than normal. Poor pollination and freeze damage kept fruit production below its potential for apples, cherries, peaches and pears. Grape bloom, however, arrived during near perfect pollinating weather. Plum production was up moderately. Despite the substantial decline in overall fruit production, the overall value of production increased 7 percent.

Fruit Total Acreage, Production and Value[1]

YEAR	Acres of Bearing Age	Production		Value of Utilized Production	
		Total	Utilized	Average	Total
	1,000	*Million Pounds*		*Dollars per Cwt.*	*1,000 Dollars*
1983	**105.2**	**1,070**	**1,070**	**13.24**	**141,716**
1982	100.0	1,515	1,437	9.22	132,466
1981	101.9	985	985	13.56	133,540
1980	104.3	1,292	1,291	9.34	120,632
1979	105.3	1,032	1,032	13.36	137,864

[1] Includes apples, peaches, tart cherries, sweet cherries, pears, prunes-plums and grapes.

1982 ORCHARD AND VINEYARD SURVEY

A survey of commercial orchards and vineyards was conducted in Michigan in the fall of 1982. Some of the highlights of that survey are shown below with comparable information from the 1978 and 1973 surveys. A bulletin with details by county on varieties, tree age, tree counts and acreage is available upon request from the Michigan Agricultural Reporting Service.

	Number of Operations			Acres			Number of Trees		
	1982	1978	1973	**1982**	1978	1973	**1982**	1978	1973
					1,000			*1,000*	
Apples	**1,540**	1,579	2,384	**59.3**	52.0	66.2	**4,667**	3,498	3,783
Tart Cherries	**1,383**	1,677	2,252	**46.7**	41.0	41.2	**4,500**	3,842	3,794
Sweet Cherries	**775**	1,054	1,418	**10.7**	11.2	13.7	**887**	974	1,211
Grapes	**822**	1,062	1,389	**12.7**	14.8	16.9	**—**	—	—
Peaches	**832**	941	1,410	**8.3**	8.6	18.1	**887**	869	1,850
Plums	**542**	912	1,394	**3.8**	5.4	8.3	**374**	517	803
Pears	**419**	748	1,304	**2.0**	3.2	10.9	**185**	296	1,049
Apricots	**109**	188	117	**0.2**	0.3	0.4	**17**	19	33
Nectarines	**77**	122	123	**0.1**	0.1	0.3	**15**	10	31

OPERATION AND TREES BY FRUIT, MAJOR COUNTIES, 1982

DISTRICT AND COUNTY	Commercial Operations	Apples	Tart Cherries	Sweet Cherries	Grapes[1]	Peaches	Plums	Pears
Antrim	64	41,400[2]	267,000	74,000	—	8,100	7,300[2]	—
Benzie	74	100,800	206,000	31,000	—	8,800	11,700	3,300
Grand Traverse	178	113,800	672,000	253,000	51	6,100	37,000	12,500
Leelanau	218	160,900	892,000	338,000	76	14,200	55,000	4,500
Manistee	73	129,700	181,000	31,000	—	11,800	3,200	—
NORTHWEST	615	546,600	2,250,000	730,500	142	50,000	114,200	24,700
Ionia	29	135,000	—	—	—	—	—	—
Kent	174	900,000	86,000	2,800	—	63,000	13,300	6,800
Mason	51	144,800	230,000	50,000	—	33,000	20,000	10,400
Muskegon	22	136,100	69,000	1,200	—	11,000	—	—
Newaygo	26	142,300	46,000	—	—	29,000	4,700	—
Oceana	215	267,800	898,000	63,000	25	89,000	73,000	38,000
Ottawa	55	315,000	32,000	4,500	—	15,000	7,900	3,200
WEST CENTRAL	592	2,130,400	1,371,000	123,400	46	250,000	123,800	62,200
Allegan	94	138,000	60,000	2,000	117	62,000	14,000	27,000
Berrien	811	594,000	384,000	17,000	6,093	364,000	36,000	26,000
Cass	29	82,000	42,000	—	467	—	—	—
Kalamazoo	50	37,000	20,000	—	619	—	—	—
Van Buren	335	598,000	351,000	6,000	5,096	112,000	74,000	29,000
SOUTHWEST	1,319	1,449,000	857,000	25,800	12,392	545,000	128,400	82,200
Genesee	18	23,000	—	—	—	—	—	—
Macomb	23	65,000	—	—	—	—	—	—
Washtenaw	23	56,000	—	—	—	—	—	—
Hillsdale	26	65,300[3]	—	—	—	—	—	—
Lenawee	34	45,100[4]	—	—	—	—	—	—
Livingston	29	65,000[5]	—	—	—	—	—	—
Lapeer	25	55,200[6]	—	—	—	—	—	—
Barry	33	104,500[7]	—	—	—	—	—	—
EAST	259	541,400	22,000	7,300	96	42,000	7,400	15,800
STATE	2,785	4,667,400	4,500,000	887,000	12,676	887,000	373,800	184,900

[1] Acres.
[2] Includes Charlevoix, Cheboygan & Emmet Counties.
[3] Includes Branch, Calhoun, Jackson & St. Joseph Counties.
[4] Includes Monroe & Wayne Counties.
[5] Includes Oakland County.
[6] Includes St. Clair County.
[7] Includes Eaton, Ingham, Clinton & Shiawassee Counties.

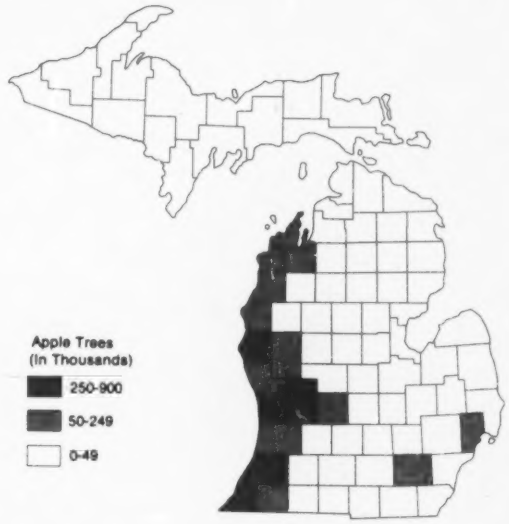
Trees, Acres, Production and Value

FRUIT	YEAR	Trees of Bearing Age		Production		Price Received	Value of Production
		Number	Acres	Total	Utilized		
		1,000	*1,000*	*Million Pounds*		*Dollars per Cwt.*	*1,000 Dollars*
APPLES[1]	**1983**	**3,700**	**46.5**	**750**	**750**	**8.90**	**67,000**
	1982	3,500	44.5	980	980	6.90	68,000
	1981	3,300	44.0	660	660	9.10	59,760
	1980	3,100	43.0	900	900	6.20	55,600
	1979	2,900	42.5	680	680	7.80	53,040
TART CHERRIES	**1983**	**2,850**	**29.7**	**87**	**87**	**49.10**	**42,721**
	1982	2,600	27.0	260	195	13.70	26,805
	1981	2,650	27.8	88	88	46.40	40,788
	1980[2]	2,700	29.4	150	149	20.40	30,396
	1979	2,650	28.2	100	100	48.50	48,500
SWEET CHERRIES	**1983**	**625**	**7.5**	**36**	**36**	**23.00**	**8,272**
	1982	625	7.5	62	51	19.90	10,160
	1981	675	8.1	46	46	18.75	8,635
	1980	700	8.4	58	58	17.70	10,266
	1979	775	9.3	54	54	20.35	10,989
PEACHES	**1983**	**475**	**4.5**	**35**	**35**	**21.50**	**7,526**
	1982	400	3.8	50	50	20.90	10,459
	1981	425	4.1	35	35	19.20	6,734
	1980	450	4.4	40	40	19.20	7,680
	1979	500	4.9	35	35	19.40	6,790
				Tons		*Dollars per Ton*	
GRAPES[3]	**1983**	**5,900**	**12.5**	**60,000**	**60,000**	**194**	**11,662**
	1982	5,900	12.5	58,500	58,500	201	11,758
	1981	6,100	12.7	53,000	53,000	252	13,370
	1980	6,300	13.0	49,500	49,500	240	11,858
	1979	6,600	13.5	58,500	58,500	237	13,865
PEARS	**1983**	**165**	**1.7**	**8,000**	**8,000**	**237**	**1,899**
	1982	180	1.9	12,000	11,000	220	2,418
	1981	200	2.1	9,000	9,000	224	2,016
	1980	225	2.4	10,000	10,000	223	2,230
	1979	250	2.7	9,000	9,000	198	1,782
PRUNES AND PLUMS	**1983**	**275**	**2.8**	**13,000**	**13,000**	**203**	**2,636**
	1982	275	2.8	11,000	11,000	261	2,866
	1981	300	3.1	16,000	16,000	140	2,237
	1980	350	3.7	12,500	12,500	208	2,602
	1979	400	4.2	14,000	14,000	207	2,898

[1] Commercial.
[2] 25 million pounds storm loss not included in final production.
[3] Vines of bearing age.

Apples

Apple production in Michigan during 1983 was at a moderate level compared to the all time record crop of 1982. Growers harvested 23 percent fewer pounds of apples compared to the previous year's record. The cold spring caused some freeze damage and incomplete seed fertilization. This combined with the hot, droughty summer resulted in a larger proportion of undersized apples. Apple coloring was generally above average. Total value of production was only 1 percent below 1982. The majority of the State's crop is processed, with juice and cider being the main utilization. Recent results from the 1982 Orchard and Vineyard Survey show that apple tree numbers have increased by nearly a third over the last four years. Michigan ranks third Nationally in apple production.



Trees, Production and Value[1]

YEAR	Trees of Bearing Age	Total Production	Value of Production
	1,000	*Million Pounds*	*1,000 Dollars*
1983	**3,700**	**750**	**67,000**
1982	3,500	980	68,600
1981	3,300	660	59,760
1980	3,100	900	55,600
1979	2,900	680	53,040

[1] Commercial.

Production, Utilization and Price

YEAR	Total Production	Fresh Market		Processing		Total Utilization	
		Quantity	Price per Pound	Quantity	Price per Pound	Quantity	Price per Pound
	Million Pounds	*Million Pounds*	*Cents*	*Million Pounds*	*Cents*	*Million Pounds*	*Cents*
1983	**750**	[1]	[1]	[1]	[1]	**750**	**8.90**
1982	980	365	9.70	615	5.25	980	6.90
1981	660	240	13.00	420	6.80	660	9.10
1980	900	325	9.50	575	4.25	900	6.20
1979	680	235	11.50	445	5.90	680	7.80

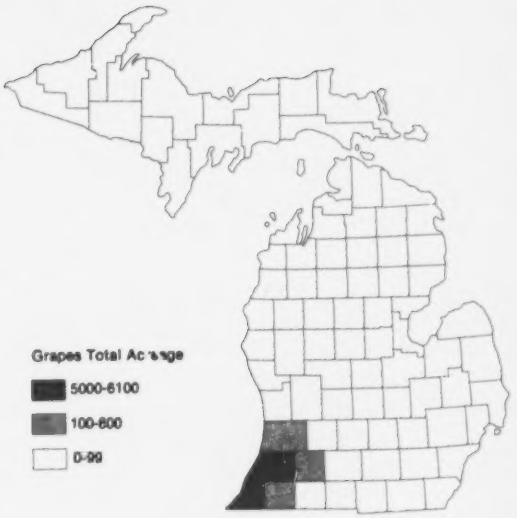
[1] Not available at publication time.

Processing Apple Utilization and Prices

YEAR	Canned		Frozen		Juice and Cider		Other	
	Quantity	Price per Pound	Quantity	Price per Pound	Quantity	Price per Pound	Quantity	Price per Pound
	Million Pounds	*Cents*	*Million Pounds*	*Cents*	*Million Pounds*	*Cents*	*Million Pounds*	*Cents*
1982	**143**	**6.35**	**96**	**7.20**	**367**	**4.30**	**9**	**6.00**
1981	103	7.25	98	8.10	216	6.00	3	8.00
1980	119	5.10	80	5.30	331	3.60	45	4.60
1979	163	6.70	57	6.50	218	5.10	7	6.10
1978	148	6.20	122	6.40	237	4.50	33	4.80

Grapes

The largest grape crop in five years was produced in Michigan in 1983. Production was up 3 percent over the previous year. Bloom was about 2 weeks later than a year earlier due to the below normal spring temperatures. It was dry and warm during bloom, making for near perfect pollinating conditions. Both clusters and berries per cluster increased from 1982. By late summer development was back on schedule. The dry weather resulted in an excellent quality crop with high sugar content. Late season rains aided sizing. The Concord variety accounts for about 90 percent of Michigan's production. Most of the State's grape crop is processed into juice. A small but significant wine industry continues to expand to new areas of the State. Michigan is the Nation's fifth largest producer of grapes.



Vines, Acres, Production and Value

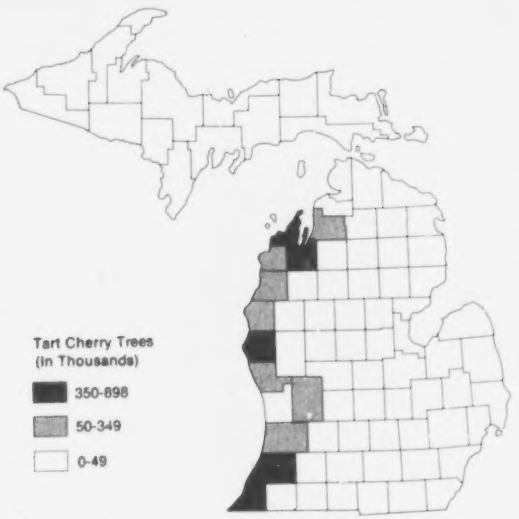
YEAR	Vines of Bearing Age		Production		Price Received	Value of Production
	Number	Acres	Total	Utilized		
	1,000	*1,000*	*Tons*		*Dollars per Ton*	*1,000 Dollars*
1983	**5,900**	**12.5**	**60,000**	**60,000**	**194**	**11,662**
1982	5,900	12.5	58,500	58,500	201	11,758
1981	6,100	12.7	53,000	53,000	252	13,370
1980	6,300	13.0	49,500	49,500	240	11,858
1979	6,600	13.5	58,500	58,500	237	13,865

Production and Utilization

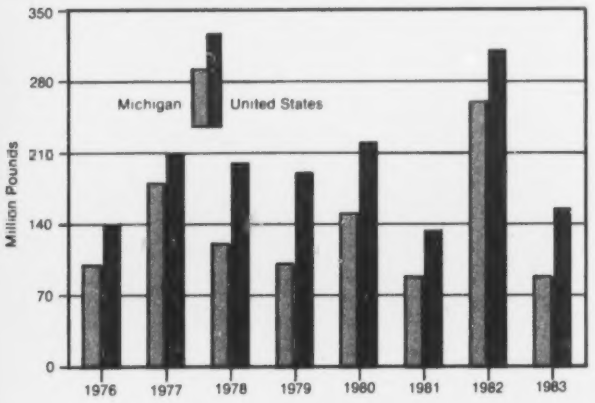
YEAR	Total Production	Utilized Production	Fresh Market Utilization	Processed Utilization	
				Juice	Wine
			Tons		
1983	**60,000**	**60,000**	**1,800**	**55,000**	**3,200**
1982	58,500	58,500	2,000	53,400	3,100
1981	53,000	53,000	1,600	48,400	3,000
1980	49,500	49,500	1,700	44,500	3,300
1979	58,500	58,500	2,000	54,600	1,900

Tart Cherries

Tart Cherry production in Michigan for 1983 was two-thirds less than the previous year's near record crop. It was the shortest harvest in 20 years. Widespread freeze damage occurred in early May and was especially concentrated in the West Central growing area. Weather conditions for pollination and early development were poor. Cool weather in the Northwest delayed full bloom until around June 1, nearly two weeks later than normal. The good news was that the crop's total value for Michigan was 59 percent higher than the year before. The average price per pound received was the highest ever. Michigan also retained its status as the Nation's leading producer of tart cherries with over 56 percent of the total U.S. output. A rapid rate of new plantings, as documented by the 1982 Michigan Orchard and Vineyard Survey, should greatly expand the crop's future production potential.



Total Production Of Tart Cherries



Production by Region

REGION	1983	1982	1981	1980[1]	1979
	Million Pounds				
Northwest	**50**	137	35	72	53
West Central	**12**	64	24	37	29
Southwest	**24**	57	28	39	17
Other	**1**	2	1	2	1
State Total	**87**	260	88	150	100

[1] 25 million pounds storm loss not included in production.

Trees, Acres, Production and Value

YEAR	Trees of Bearing Age		Production		Price Received	Value of Production
	Number	Acres	Total	Utilized		
	1,000	*1,000*	*Million Pounds*		*Dollars per Cwt.*	*1,000 Dollars*
1983	**2,850**	**29.7**	**87**	**87**	**49.10**	**42,721**
1982	2,600	27.0	260	195	13.70	26,805
1981	2,650	27.8	88	88	46.40	40,788
1980[1]	2,700	29.4	150	149	20.40	30,369
1979	2,650	28.2	100	100	48.50	48,500

[1] 25 million pounds storm loss not included in total production.

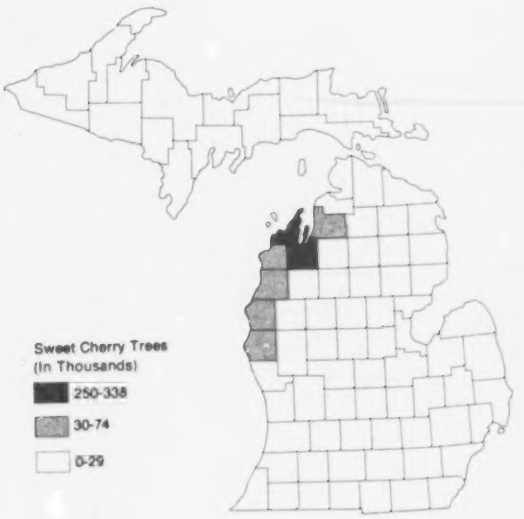
Tart Cherries Production and Utilization

YEAR	Total Production	Utilized Production	Utilization of Sales			
			Fresh Market	Processed		
				Canned	Frozen	Other
	Million Pounds					
1983	**87**	**87**	**2**	**18**	**65**	**2**
1982	260	195	5	55	132	3
1981	88	88	2	27	58	1
1980[1]	150	149	4	52	91	2
1979	100	100	2	29	68	1

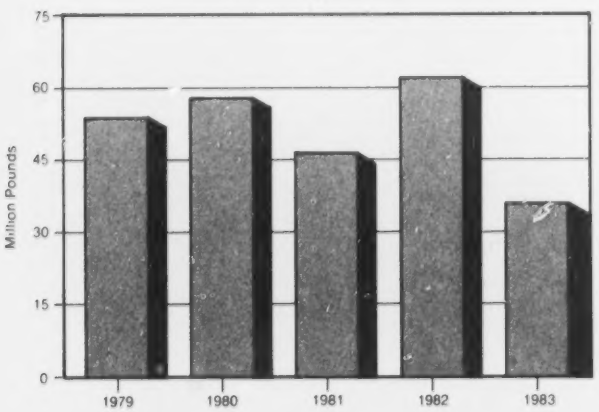
[1] 25 million pounds storm loss not included in total production.

Sweet Cherries

Michigan production of sweet cherries in 1983 was off 42 percent from the year before. A series of spring freezes in early May damaged the crop's prospects. Sweet cherry prices strengthened by 16 percent due to the reduced harvest, but the crop's total value was down 19 percent. Despite the decreased production, Michigan retained its position as the Nation's third leading producer of sweet cherries. According to the 1982 Michigan Orchard and Vineyard Survey, new plantings should help offset the decline in tree numbers over the past few years.



Sweet Cherry Production



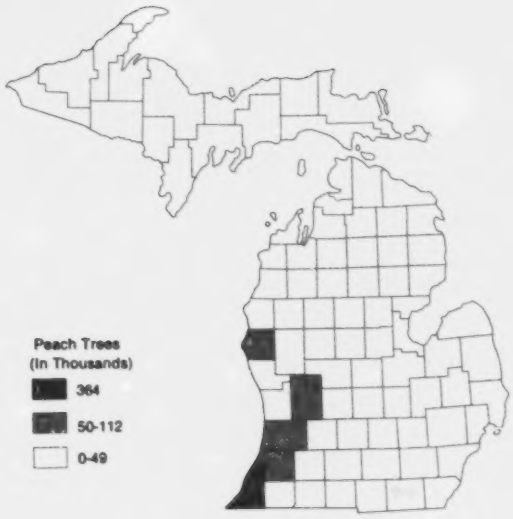
Production and Utilization

YEAR	Total Production	Utilized Production	
		Fresh	Processed
	Million Pounds		
1983	**36**	**4**	**32**
1982	62[1]	4	47
1981	46	3	43
1980	58	4	54
1979	54	3	51

[1] Total production includes unutilized production of 11 million Lbs. (8 million Lbs. unharvested, 3 million Lbs. harvested not sold.)

Peaches

Early spring freezes and frost in May led to a reduced peach harvest in Michigan for 1983. Production was off 30 percent versus 1982 but equal to the 1981 harvest. Prices were up slightly, but the value of the State's output fell 28 percent. Growers have increased the rate of new plantings as shown by the 1982 Michigan Orchard and Vineyard Survey. Michigan ranked 6th among states in peach production during 1983.



Prunes and Plums

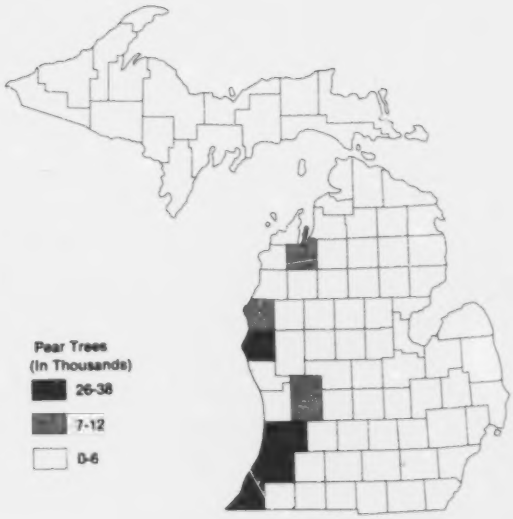
Prune-plum production in Michigan during 1983 increased 18 percent. Growers picked a crop of good quality and size. Prices dipped, however, causing the crop's total value to slide 8 percent versus 1982. Michigan was the Nation's fourth leading producer of prune-plums in 1983. The 1982 Michigan Orchard and Vineyard Survey showed a dramatic decline in tree numbers during the 4 year interval between surveys. Recent plantings, however, may help reverse this trend.

Production and Utilization

YEAR	Total Production	Utilized Production	
		Fresh	Processed
	Tons		
1983	**13,000**	**6,800**	**6,200**
1982	11,000	6,700	4,300
1981	16,000	7,400	8,600
1980	12,500	5,600	6,900
1979	14,000	7,400	6,600

Pears

The cooler than normal spring temperatures resulted in freeze damage and poor pollination for Michigan's 1983 pear crop. Production was a third lower than the 1982 harvest. Quality was mixed and sizing generally below normal. The crop's value was down 21 percent from a year earlier. The declining importance of pears to the Michigan fruit industry was noted by the 1982 Michigan Orchard and Vineyard Survey. Over the 4 year period between surveys the State's pear tree numbers fell 37 percent. New tree plantings were at a low level. Still, Michigan ranked 5th among states in 1983 pear production.



Vegetables

Michigan vegetable growers produced over 11 million hundredweight (cwt.) of fresh and processing vegetables, excluding strawberries, in 1983. This represents a 7 percent decrease from the 1982 crop. Adverse weather during the growing season cut yield potential for most vegetable crops. Most severely affected were celery, lettuce and strawberries. Stronger prices pushed the value to nearly 111 million dollars, 25 percent above last year. Overall acreage for harvest totaled 62,500 acres, unchanged from the 1982 harvest.

Most of the states vegetables are grown in the southern half of the Lower Peninsula. Michigan's muck soils are utilized for growing crops such as onions, carrots, celery and lettuce. There are ample markets for both processing and fresh market vegetables. Processing vegetables are utilized by both in and out of state processors. Michigan grown produce is shipped to major markets throughout the nation.

Total Vegetable Acreage, Production and Value[1]

YEAR	Acres Planted	Acres Harvested	Production	Value
			1,000 Cwt.	*1,000 Dollars*
1983	**64,800**	**62,500**	**11,329**	**110,696**
1982	65,100	62,500	12,178	88,587
1981	59,500	56,100	9,774	92,235
1980	59,300	55,300	8,301	81,667

[1] Includes carrots, cauliflower, celery, sweet corn, lettuce, onions, tomatoes, processing snap beans and green peas.

Dual Purpose Vegetable Disposition and Value[1]

CROP	Year	Fresh Market			Processing		
		Production	Price Received	Value of Production	Production	Price Received	Value of Production
		1,000 Cwt.	*Dollars per Cwt.*	*1,000 Dollars*	*Tons*	*Dollars per Ton*	*1,000 Dollars*
Carrots	**1983**	**1,133**	**15.30**	**17,335**	**26,130**	**48.40**	**1,265**
	1982	1,092	10.30	11,248	30,860	52.50	1,620
	1981	830	13.50	11,205	24,300	49.50	1,203
	1980	880	16.30	14,371	22,980	58.00	1,333
	1979	1,129	10.70	12,104	29,200	44.50	1,299
Strawberries	**1983**	**115**	**55.00**	**6,325**	**2,350**	**888.00**	**2,087**
	1982	173	55.00	9,515	2,150	912.00	1,961
	1981	137	49.20	6,740	1,950	798.00	1,556
	1980	137	51.10	7,001	1,950	696.00	1,357
	1979	143	56.10	8,022	2,650	762.00	2,019

[1] Disposition data not publishable for Cauliflower and Celery.

Dual Purpose Vegetable Acreage, Production and Value

CROP	Year	Acres		Production		Price Received	Value of Production
		Planted	Harvested	Per Acre	Total		
				Cwt.	*1,000 Cwt.*	*Dollars per Cwt.*	*1,000 Dollars*
Carrots	**1983**	**7,400**	**7,200**	**230**	**1,656**	**11.20**	**18,600**
	1982	7,500	6,700	255	1,709	7.53	12,868
	1981	7,000	5,600	235	1,316	9.43	12,408
	1980	6,800	5,600	239	1,340	11.70	15,704
	1979	6,700	6,600	260	1,713	7.82	13,403
Cauliflower	**1983**	**1,400**	**1,200**	**55**	**66**	**34.00**	**2,243**
	1982	1,300	1,200	58	70	28.70	2,009
	1981	1,200	1,000	62	62	37.90	2,350
	1980	1,200	1,000	50	50	36.50	1,824
	1979	1,200	1,100	70	77	27.70	2,132
Celery	**1983**	**3,600**	**3,500**	**370**	**1,295**	**12.70**	**16,504**
	1982	3,500	3,300	470	1,551	10.60	16,400
	1981	3,400	3,200	450	1,440	11.00	15,784
	1980	3,200	3,100	447	1,387	9.29	12,890
	1979	2,700	2,600	443	1,153	9.52	10,982
Strawberries	**1983**	**2,800**	**2,700**	**60**	**162**	**51.90**	**8,412**
	1982	2,800	2,700	80	216	53.10	11,476
	1981	2,800	2,700	65	176	47.10	8,296
	1980	2,800	2,700	65	176	47.50	8,358
	1979	2,900	2,800	70	196	51.20	10,041

Processing Vegetable Acreage, Production and Value[1]

CROP	Year	Acres		Production		Price Received	Value of Production
		Planted	Harvested	Per Acre	Total		
				Tons		*Dollars per Ton*	*1,000 Dollars*
Snap Beans	**1983**	**15,100**	**14,800**	**2.80**	**41,440**	**144.00**	**5,967**
	1982	14,600	14,200	2.58	36,640	145.00	5,313
	1981	14,600	14,300	2.53	36,180	160.00	5,789
	1980	14,600	13,700	2.80	38,360	156.00	5,984
	1979	17,600	17,300	2.08	35,980	162.00	5,829
Tomatoes	**1983**	**9,300**	**9,200**	**19.90**	**183,080**	**84.00**	**15,379**
	1982	9,800	9,700	21.10	204,670	92.60	18,952
	1981	6,400	6,200	19.08	118,300	86.00	10,174
	1980	6,100	6,000	12.28	73,680	72.90	5,371
	1979	5,700	5,600	18.11	101,420	68.30	6,927

[1] Green Peas not published to avoid disclosure of individual operations.

Fresh Market Vegetable Acreage, Production and Value

CROP	Year	Acres		Production		Price Received	Value of Production[1]
		Planted	Harvested	Per Acre	Total		
				Cwt.	*1,000 Cwt.*	*Dollars per Cwt.*	*1,000 Dollars*
Corn, Sweet	**1983**	**12,500**	**12,000**	**70**	**840**	**11.10**	**9,324**
	1982	12,500	12,200	66	805	8.81	7,092
	1981	12,000	11,500	61	702	9.84	6,908
	1980	11,700	11,500	67	771	8.92	6,877
	1979	11,700	11,500	58	667	8.28	5,523
Lettuce	**1983**	**1,600**	**1,200**	**190**	**228**	**16.50**	**3,762**
	1982	1,600	1,500	250	375	13.80	5,175
	1981	1,400	1,200	215	258	22.00	5,676
	1980	1,600	1,200	210	252	19.30	4,864
	1979	1,500	1,400	200	280	22.00	6,160
Onions	**1983**	**7,500**	**7,400**	**310**	**2,294**	**14.30**	**27,084**
	1982	7,500	7,300	320	2,336	6.11	11,811
	1981	7,500	7,300	335	2,446	10.70	22,898
	1980	7,500	7,200	250	1,800	13.20	18,480
	1979	8,000	7,900	340	2,686	4.69	10,506
Tomatoes	**1983**	**3,600**	**3,300**	**120**	**396**	**28.10**	**11,128**
	1982	3,800	3,500	115	403	19.60	7,899
	1981	3,600	3,400	115	391	24.50	9,580
	1980	3,700	3,400	110	374	24.50	9,163
	1979	3,600	3,400	120	408	25.10	10,241

[1] For onions — Value of sales.

Mushrooms

Production of mushrooms in Michigan declined slightly during the fiscal year ending June 30, 1983. A significant increase in the amount of square footage in production was more than offset by an 11 percent decline in the average yield. Michigan's mushrooms are grown in specially built mushroom houses where humidity and temperature are carefully controlled year-round. The available square footage can be filled three or more times during the year to account for the total area in production. A positive sign for the industry was a substantial increase in the price per pound and value of production. Michigan is the Nation's third ranking mushroom producing state.

Area, Production, Value

YEAR	Total Area in Production	Production	Price per Pound	Value of Production
	1,000 Sq. Ft.	*1,000 Pounds*	*Cents*	*1,000 Dollars*
1982-83	**5,911**	**18,865**	**83.0**	**15,661**
1981-82	5,292	19,044	70.6	13,436
1980-81	7,363	21,221	76.9	16,324

LIVESTOCK AND POULTRY

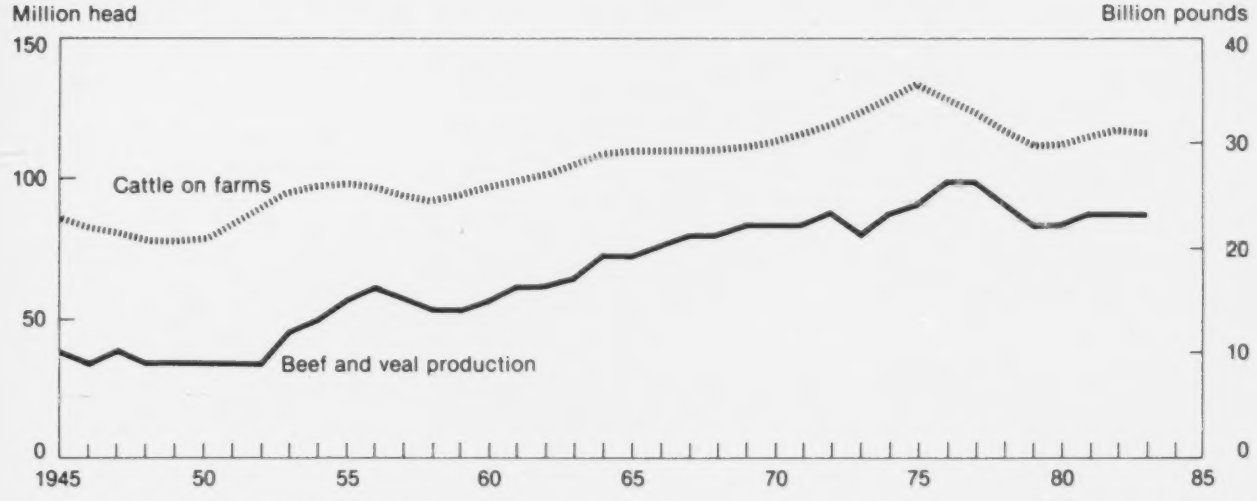
General Information

Livestock and associated products are an important part of Michigan's agricultural economy. Although most livestock prices were down during 1983, increased production and marketings offset the lower prices. Livestock cash receipts increased 2 percent and accounted for 40 percent of the total Michigan farm receipts. Dairying remains the leading livestock enterprise in the State and accounts for over 60 percent of the total livestock receipts. Nationally, Michigan placed sixth in dairy cows and milk production. Michigan was also a leading state in the production of several manufactured dairy products.

The expansion in hog production that was already underway in 1982, accelerated during 1983. The December hog inventory of 1.25 million head was the highest Michigan inventory since 1944. Hog cash receipts rose 14 percent as higher marketings offset a 10 percent drop in market prices. Hog prices peaked in the $55-57 per cwt. range in early 1983. While hog numbers were increasing, cattle numbers fell 2 percent, the first decline since 1979. Reductions in beef cows and beef replacement heifers accounted for most of the drop. Average cattle prices declined again during 1983. The highest prices prevailed during the spring months. Average Michigan cattle prices have declined for four consecutive years. Despite the lower prices, cattle cash receipts increased 8 percent due to higher marketings. Sheep numbers rose 10 percent from the record low established a year ago. Sheep and lamb marketings and prices declined during 1983, resulting in a 28 percent drop in cash receipts.

Cash receipts from poultry and egg sales rose 5 percent. Egg sales were down, but egg prices showed a small increase. Egg prices increased sharply late in the year due to lower production nationally and the outbreak of avian influenza in Pennsylvania. Turkey production increased in 1983, resulting in a 13 percent gain in cash receipts. Broiler production remains a small enterprise in Michigan. Broiler receipts increased 9 percent last year due to higher market prices.

U.S. Cattle Numbers and Beef Production



1983 forecast. Cattle and calves on farms January 1.

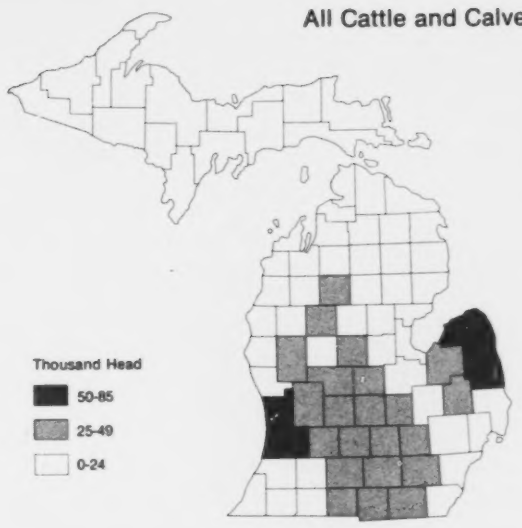
Number and Value of Livestock and Poultry, January 1

SPECIES AND YEAR	Michigan Number	Michigan Value Per Head or Bird	Michigan Total Value	United States Number	United States Value Per Head or Bird	United States Total Value
	1,000	*Dollars*	*1,000 Dollars*	*1,000*	*Dollars*	*1,000 Dollars*
ALL CATTLE AND CALVES						
1984	**1,475**	**500.00**	**737,500**	**114,040**	**396.00**	**45,119,309**
1983	1,500	540.00	810,000	115,199	406.00	46,769,240
1982	1,450	580.00	841,000	115,604	415.00	47,966,517
1981	1,340	660.00	884,400	114,321	475.00	54,292,044
1980	1,310	640.00	838,400	111,192	502.00	55,831,294
ALL HOGS AND PIGS[1]						
1984	**1,250**	**62.50**	**78,125**	**55,819**	**58.90**	**3,288,826**
1983	800	87.50	70,000	53,935	90.00	4,852,905
1982	690	73.00	50,370	58,688	70.10	4,113,725
1981	830	79.50	65,985	64,512	74.70	4,820,793
1980	1,040	59.00	61,360	67,353	56.10	3,774,920
ALL SHEEP AND LAMBS						
1984	**110**	**63.00**	**6,930**	**11,411**	**52.10**	**594,457**
1983	100	58.00	5,800	12,026	51.80	622,548
1982	130	64.00	8,320	12,966	56.90	737,777
1981	124	75.00	9,300	12,936	69.80	903,332
1980	132	68.00	8,976	12,687	78.20	992,127
ALL CHICKENS[1]						
1984	**7,550**	**1.60**	**12,080**	**364,548**	**1.96**	**716,192**
1983	7,800	1.45	11,310	378,609	1.85	701,474
1982	8,100	1.50	12,150	384,838	1.89	727,188
1981	8,200	1.35	11,070	392,110	1.88	738,646
1980	8,000	1.45	11,600	400,585	1.81	726,365
TURKEYS — Breeder Hens[1]						
1984	**38**	**15.00**	**570**	**3,155**	**17.59**	**55,500**
1983	45	14.00	630	3,429	14.60	50,053
1982	50	12.00	600	3,514	15.35	53,962
1981	52	18.00	936	3,749	14.11	52,887
1980	44	13.00	572	3,705	13.58	50,304
TOTAL VALUE — ALL SPECIES						
1984	—	—	**835,205**	—	—	**49,774,284**
1983	—	—	897,740	—	—	52,996,220
1982	—	—	912,440	—	—	53,599,169
1981	—	—	971,691	—	—	60,807,702
1980	—	—	920,908	—	—	61,375,010

[1] December 1 of previous year.

Cattle and Calves

The recent trend towards increased cattle numbers in Michigan came to an end during 1983. The January 1, 1984 inventory of 1,475,000 head was off 2 percent from a year earlier. This marked the first decline in cattle numbers since 1979. Cattle classes which showed the largest declines were beef cows, beef replacement heifers, and calves. Milk cows and milk replacement heifers showed slight increases. The steer inventory increased to it's highest level since 1978. Cattle on feed for slaughter increased 17 percent. Cattle and calf marketings increased 10 percent during 1983, leading to an 8 percent gain in cattle cash receipts. Average market prices declined for both cattle and calves during 1983. Huron and Sanilac are the leading cattle producing counties in the State.



Number on Farms by Class, January 1

CLASS	1984	1983	1982	1981	1980
			1,000 Head		
Cows and Heifers that have Calved	**560**	615	610	530	540
Beef Cows	**158**	215	214	140	140
Milk Cows	**402**	400	396	390	400
Heifers, 500 pounds and over	**282**	275	254	260	257
For Beef Cow replacement	**36**	52	35	36	25
For Milk Cow replacement	**180**	171	179	174	193
Other Heifers	**66**	52	40	50	39
Steers, 500 pounds plus	**230**	188	190	177	181
Bulls, 500 pounds plus	**23**	24	20	19	22
Calves, less than 500 pounds	**380**	398	376	354	310
All Cattle and Calves	**1,475**	1,500	1,450	1,340	1,310
Number of Cattle Operations[1]	**32,000**	33,000	32,000	32,000	32,000

[1] Any place having one or more head on hand at any time during the year.

Balance Sheet

YEAR	On Hand January 1, All Cattle and Calves	Calf Crop	Inship-ments	Marketings[1]		Farm Slaughter[2]	Deaths		On Hand Following January 1, all Cattle
				Cattle	Calves	Cattle and Calves	Cattle	Calves	
					1,000 Head				
1983	**1,500**	**525**	**130**	**480**	**68**	**10**	**27**	**95**	**1,475**
1982	1,450	550	135	444	56	11	34	90	1,500
1981	1,340	500	110	332	40	8	30	90	1,450
1980	1,310	475	121	395	56	6	32	77	1,340
1979	1,250	470	91	307	82	10	25	77	1,310

[1] Excluded interfarm sales within the State.
[2] Excludes custom slaughter for farmers at commercial establishments.

Production and Income

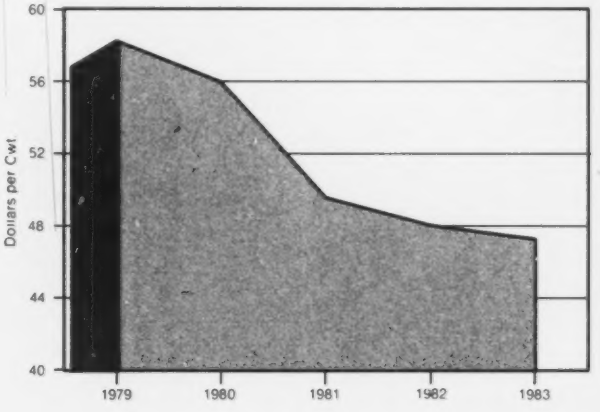
YEAR	Production[1]	Marketings[2]	Average Price per Cwt.		Value of Production	Cash Receipts[3]	Value of Home Consumption	Gross Income
			Cattle	Calves				
	1,000 Pounds		*Dollars*		*1,000 Dollars*			
1983	**449,980**	**532,680**	**47.20**	**57.00**	**213,460**	**252,844**	**16,660**	**269,504**
1982	472,800	486,330	48.00	57.20	228,848	234,484	18,835	253,319
1981	431,540	367,260	49.50	65.20	216,348	183,207	16,338	199,545
1980	393,420	454,355	55.90	82.50	227,471	257,567	11,334	268,901
1979	356,865	349,410	58.20	86.60	215,754	208,565	17,593	226,158

[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the state.
[3] Receipts from marketings and sale of farm slaughter.

Cattle on Feed for Slaughter

YEAR	January 1
	1,000 Head
1984	**175**
1983	150
1982	135
1981	160
1980	165

Average Annual Cattle Prices



Commercial Slaughter

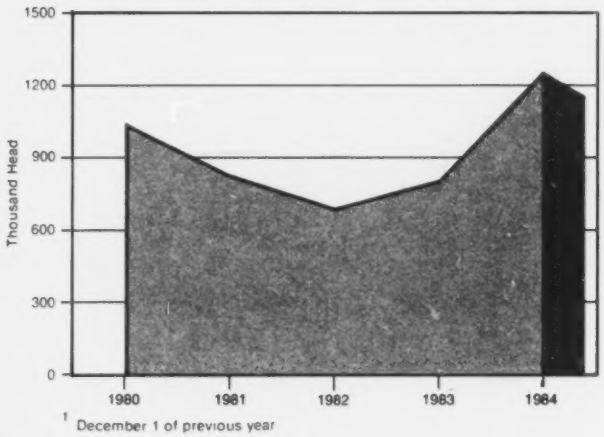
YEAR AND MONTH	Cattle			Calves		
	Head	Liveweight		Head	Liveweight	
		Per Head	Total		Per Head	Total
	1,000	*Pounds*	*1,000 Pounds*	*1,000*	*Pounds*	*1,000 Pounds*
1983 January	**43.8**	**1,190**	**52,132**	**5.7**	**193**	**1,109**
February	**39.9**	**1,196**	**47,696**	**6.1**	**235**	**1,424**
March	**45.3**	**1,194**	**54,089**	**7.1**	**280**	**1,985**
April	**43.2**	**1,197**	**51,649**	**5.4**	**235**	**1,277**
May	**43.1**	**1,178**	**50,728**	**5.3**	**236**	**1,255**
June	**45.3**	**1,182**	**53,501**	**5.8**	**231**	**1,345**
July	**41.9**	**1,148**	**48,073**	**5.7**	**216**	**1,219**
August	**50.3**	**1,154**	**57,970**	**6.5**	**228**	**1,484**
September	**44.8**	**1,101**	**49,301**	**6.3**	**224**	**1,405**
October	**45.7**	**1,070**	**48,877**	**6.8**	**234**	**1,604**
November	**45.4**	**1,072**	**48,648**	**6.6**	**248**	**1,625**
December	**48.1**	**1,079**	**51,886**	**7.3**	**245**	**1,780**
1983[1]	**537**	**1,145**	**614,551**	**75**	**235**	**17,513**
1982	555	1,168	648,062	74	234	17,316
1981	503	1,198	602,668	80	254	20,425
1980	465	1,173	545,401	76	255	19,479
1979	475	1,165	553,259	82	234	19,104

[1] Months may not add exactly to annual totals because of rounding.

Hogs

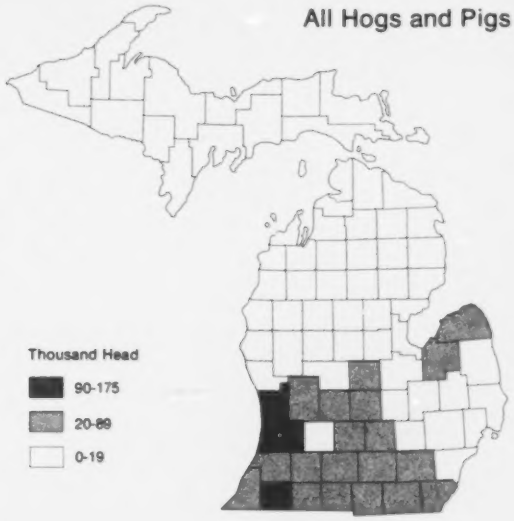
Expansion of hog production in Michigan accelerated during 1983. The December 1, 1983, inventory of 1.25 million hogs was the largest year-ending inventory in the State since 1944. Michigan placed 13th nationally in December hog inventory. The annual pig crop reached nearly 1.9 million head and annual hog marketings increased 28 percent to nearly1.4 million head. The higher marketings more than offset a 10 percent drop in hog prices and boosted total cash receipts from hog marketings to almost $150 million. Michigan hog production remains concentrated in Southwest and South Central counties, however many northern and central counties are showing dramatic increases in hog numbers. Cass county, with a December inventory of 175,000 head, continues as Michigan's leading hog producing county. Michigan is a leading state in commercial hog slaughter. During 1983, a total 5.3 million hogs were butchered by Michigan slaughter plants, placing the State fourth nationally in hog slaughter.

All Hogs and Pigs on Michigan Farms [1]



[1] December 1 of previous year

All Hogs and Pigs



Number on Farms by Class and Number of Operations

CLASS	1983 Dec. 1	1982[1] Dec. 1	1981 Dec. 1	1981 June 1	1980 Dec. 1	1980 June 1	1979 Dec. 1	1979 June 1
				1,000 Head				
Breeding Hogs	**170**	135	105	129	120	162	161	180
Market Hogs	**1,080**	665	585	651	710	738	879	720
All Hogs	**1,250**	800	690	780	830	900	1,040	900
Number of Hog Operations[2]	**8,500**	8,500	9,200		9,600		9,600	

[1] June 1 estimates discontinued

[2] Any place having one or more head on hand at any time during the year

Pig Crop

YEAR	Spring Sows Farrowed	Spring Pigs per Litter	Spring Pig Crop	Fall Sows Farrowed	Fall Pigs per Litter	Fall Pig Crop
	1,000 Head	*Head*	*1,000 Head*		*Head*	*1,000 Head*
1983	**100**	**7.5**	**750**	**148**	**7.6**	**1,125**
1982	85	7.5	638	86	7.3	628
1981	86	7.7	662	75	7.5	563
1980	112	6.9	773	95	6.8	646
1979	104	7.0	728	115	6.9	794

Balance Sheet

YEAR	Beginning Inventory	Pigs Saved		Inship-ments	Market-ings[1]	Farm Slaughter[2]	Deaths	Number on Hand December 1
		Spring	Fall					
	1,000 Head							
1983	**800**	**750**	**1,125**	**75**	**1,365**	**10**	**125**	**1,250**
1982	690	638	628	53	1,069	15	125	800
1981	830	662	563	64	1,291	18	120	690
1980	1,040	773	646	63	1,523	19	150	830
1979	925	728	794	55	1,312	20	130	1,040

[1] Excludes interfarm sales within the State.
[2] Excludes custom slaughter for farmers at commercial establishments.

Production and Income

YEAR	Pro-duction[1]	Market-ings[2]	Average Price per Cwt.	Value of Production	Cash Receipts[3]	Value of Home Con-sumption	Gross Income
	1,000 Pounds		*Dollars*		*1,000 Dollars*		
1983	**369,108**	**315,385**	**47.00**	**173,136**	**149,086**	**2,820**	**151,906**
1982	271,771	247,853	52.50	142,282	131,029	3,780	134,809
1981	288,235	293,625	43.70	125,441	129,020	5,664	134,684
1980	331,304	347,775	38.80	128,138	135,678	5,308	140,986
1979	306,997	286,470	42.90	132,029	124,490	5,847	130,337

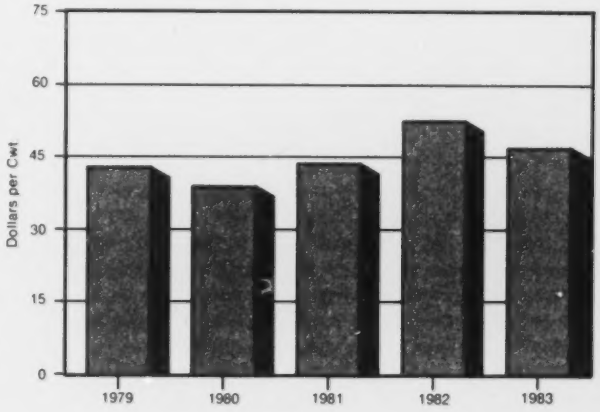
[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the state.
[3] Receipts from marketings and sale of farm slaughter. Includes allowance for higher average price of outshipments of feeder pigs.

Commercial Slaughter

YEAR AND MONTH	Head	Liveweight	
		Per Head	Total
	1,000	*Pounds*	*1,000 Pounds*
1983 January	**382.9**	**242**	**92,841**
February	**353.2**	**242**	**85,381**
March	**429.9**	**241**	**103,485**
April	**444.9**	**241**	**107,301**
May	**431.5**	**242**	**104,429**
June	**466.3**	**241**	**112,540**
July	**438.3**	**241**	**105,532**
August	**454.6**	**241**	**109,446**
September	**461.2**	**241**	**111,126**
October	**475.3**	**241**	**114,712**
November	**484.8**	**242**	**117,245**
December	**461.9**	**240**	**110,924**
1983[1]	**5,285**	**241**	**1,274,962**
1982	5,219	242	1,260,560
1981	5,521	239	1,321,221
1980	4,678	241	1,125,724
1979	4,926	239	1,178,078

[1] Quarters may not add exactly to annual totals because of rounding.

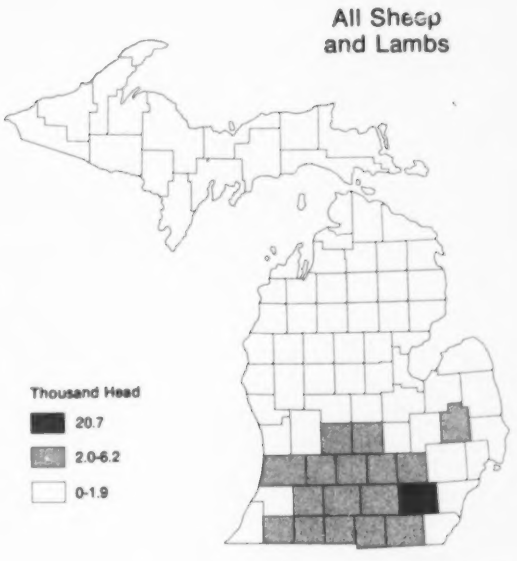
Average Annual Hog Prices



Sheep and Lambs

The number of sheep in Michigan rose slightly during 1983. The January 1, 1984, inventory was 110,000 head, 10 percent higher than a year earlier. The 1983 lamb crop was 82,000, up 2,000 from 1982. Most of the sheep in the State are in South Central and Southeast Michigan. Washtenaw County ranks first in the number of sheep.

About 5.8 million lbs. (liveweight) of sheep and lambs were marketed in 1983, down 39 percent from 1982. The average annual prices for slaughter sheep and for slaughter lambs were both lower in 1983 than a year earlier. The lower marketings and prices meant that cash receipts fell by 28 percent from 1982. Wool production was up 4 percent in 1983, but the average price for wool fell 4 cents to $.40 per pound.



Number on Farms by Class, January 1

CLASS	1984	1983	1982	1981	1980
STOCK SHEEP:			*1,000 Head*		
Ewe Lambs	**13**	12	16	15	16
Wether and Ram Lambs	**4**	3	4	4	3
Ewes, 1 year plus	**72**	68	83	80	82
Rams and Wethers, 1 year plus	**3**	2	3	3	3
Sheep and Lambs on Feed	**18**	15	24	22	28
All Sheep and Lambs	**110**	**100**	**130**	**124**	**132**

Balance Sheet

YEAR	On Hand January 1, All Sheep and Lambs	Lamb Crop	Inship-ments	Marketings[1]		Farm Slaughter[2]	Deaths		On Hand Following January 1, All Sheep and Lambs
				Sheep	Lambs		Sheep	Lambs	
					1,000 Head				
1983	**100**	**82**	**0**	**6**	**51**	**2**	**4**	**9**	**110**
1982	130	80	2	30	61	2	6	13	100
1981	124	95	1	10	61	2	6	11	130
1980	132	100	3	18	77	1	5	10	124
1979	121	90	1	3	61	1	5	10	132

[1] Excludes interfarm sales within the State.
[2] Excludes custom slaughter for farmers at commercial establishments.

Production and Income

YEAR	Production[1]	Marketings[2]	Average Price Per Cwt.		Value of Production	Cash Receipts[3]	Value of Home Consumption	Gross Income
			Sheep	Lambs				
	1,000 Pounds		*Dollars*			*1,000 Dollars*		
1983	**7,525**	**5,815**	**14.00**	**53.00**	**3,395**	**2,778**	**276**	**3,054**
1982	6,335	9,536	18.50	54.50	2,927	3,851	269	4,120
1981	8,140	7,183	19.80	51.90	3,693	3,332	178	3,510
1980	8,955	9,849	27.90	63.20	5,058	5,439	108	5,547
1979	7,905	6,394	28.00	66.60	4,651	4,116	114	4,230

[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the state.
[3] Receipts from marketings and sale of farm slaughter.

Lamb Crop

YEAR	Breeding Ewes 1 Year + January 1	Lambs Saved per 100 Ewes 1 Year +	Lamb Crop
	1,000 Head	*Head*	*1,000 Head*
1983	**68**	**121**	**82**
1982	83	96	80
1981	80	119	95
1980	82	122	100
1979	75	120	90

Commercial Slaughter

YEAR AND MONTH	Head	Liveweight	
		Per Head	Total
	1,000	*Pounds*	*1,000 Lbs.*
1983 January	**24.5**	**113**	**2,775**
February	**22.4**	**114**	**2,539**
March	**28.6**	**114**	**3,257**
April	**25.5**	**114**	**2,918**
May	**26.4**	**112**	**2,963**
June	**29.4**	**111**	**3,250**
July	**28.0**	**107**	**2,999**
August	**31.9**	**109**	**3,471**
September	**30.0**	**112**	**3,346**
October	**28.7**	**111**	**3,200**
November	**28.4**	**113**	**3,197**
December	**29.1**	**112**	**3,267**
1983[1]	**333**	**112**	**37,180**
1982	315	109	34,395
1981	290	109	31,574
1980	297	109	32,291
1979	264	110	29,010

[1] Months may not add exactly to annual totals because of rounding.

Wool Production and Income

YEAR	Number Sheep Shorn	Weight per Fleece	Production	Price per Pound	Cash Income
	1,000 Head	*Pounds*	*1,000 Pounds*	*Cents*	*1,000 Dollars*
1983	**117**	**7.7**	**902**	**40**	**361**
1982	111	7.8	865	44	381
1981	125	7.6	945	70	662
1980	122	7.8	950	74	703
1979	118	7.9	934	73	682

Poultry

There were 7.55 million egg-type chickens in Michigan as of December 1, 1983. That figure was 3 percent below the inventory of a year earlier. Egg production for the year ending November 30, 1983, was 1.45 billion. Cash receipts from eggs during that period were $62.4 million, down 3 percent from the previous year. Michigan egg producers earned an additional $2.2 million from the sale of culled layers during 1983. Michigan's egg output is concentrated in the Thumb and western part of the Lower Peninsula.

Turkey growers in Michigan produced 40 million liveweight pounds of turkey in 1983, up 10 percent from the previous year. Average prices increased slightly as cash receipts from turkey production rose to nearly $17 million. Turkey production continues to be concentrated in the Ottawa county area. Commercial broiler production declined slightly during 1983. Higher prices off-set lower production, resulting in an increase in cash receipts to just under $1.4 million. Most of Michigan's broilers are raised in the Ottawa-Allegan county region.

Number on Farms by Class, December 1

CLASS	1983	1982	1981	1980	1979
			1,000 Birds		
CHICKENS:					
Pullets of laying age	**3,550**	3,550	3,800	3,860	3,850
Hens	**2,450**	2,450	2,500	2,540	2,400
Pullets, 3 months plus	**725**	850	820	950	825
Pullets, less than 3 months	**775**	900	940	800	885
Other Chickens	**50**	50	40	50	40
All Chickens (excluding broilers)	**7,550**	7,800	8,100	8,200	8,000
			1,000 Birds		
TURKEYS:					
Breeder Hens	**38**	45	50	52	44

Chickens: Average Number of Layers

MONTH	1983	1982[1]	1981
	1,000 Birds		
December	**6,000**		6,275
January	**6,050**	6,270	6,400
February	**6,000**		6,300
March	**5,850**		6,300
April	**5,800**	6,275	6,226
May	**5,750**		6,300
June	**5,725**		6,275
July	**5,735**	6,050	6,300
August	**5,760**		6,450
September	**5,825**		6,501
October	**5,825**	5,900	6,475
November	**5,900**		6,375
Annual Average[2]	**5,847**	6,124	6,367

[1] Quarterly Estimates
[2] December 1 previous year to November 30

Egg Production

MONTH	1983	1982[1]	1981
	Million		
December	**126**		131
January	**130**	380	133
February	**119**		119
March	**127**		133
April	**118**	399	124
May	**120**		126
June	**119**		127
July	**121**	381	133
August	**117**		131
September	**115**		127
October	**121**	365	130
November	**121**		126
Total[2]	**1,454**	1,525	1,541

[1] Quarterly Estimates
[2] December 1 previous year to November 30

Chicken and Broiler Production and Income

YEAR	Chickens (excluding broilers)				Broilers			
	Number Raised	Pounds Produced	Price per Pound	Gross Income[1]	Number Raised	Pounds Produced	Price per Pound	Gross Income[1]
	1,000 Birds	*1,000 Pounds*	*Cents*	*1,000 Dollars*	*1,000 Birds*	*1,000 Pounds*	*Cents*	*1,000 Dollars*
1983	**5,100**	**20,157**	**10.5**	**2,249**	**1,130**	**4,633**	**30.0**	**1,390**
1982	5,100	20,326	8.5	1,836	1,180	4,720	27.0	1,274
1981	5,650	22,787	8.5	1,993	1,130	4,520	32.0	1,446
1980	5,250	21,333	9.0	1,833	1,552	6,053	31.0	1,876
1979	5,000	20,284	12.0	2,504	2,570	10,794	28.0	3,022

[1] Includes value of home consumption.

Turkey Production and Income

YEAR	Breeder Hens			Market Turkeys			
	Number On Farms December 1	Farm Value		Number Raised[1]	Pounds Produced[2]	Price per Pound[3]	Gross Income
		Per Bird	Total				
	1,0000 Birds	*Dollars*	*1,000 Dollars*	*1,000 Birds*	*1,000 Pounds*	*Cents*	*1,000 Dollars*
1983	**38**	**15.00**	**570**	**1,600**	**40,000**	**42.0**	**16,800**
1982	45	14.00	630	1,400	36,400	41.0	14,924
1981	50	12.00	600	1,550	40,300	41.0	16,523
1980	52	18.00	936	1,450	37,700	44.0	16,588
1979	44	13.00	572	1,200	31,200	45.0	14,040

[1] Based on turkeys hatched September previous year through August, including inshipments. Excludes death loss.
[2] Includes home consumption.
[3] Liveweight equivalent price.

Mink

Michigan produced over 3 percent of the Nation's mink pelts. Over half of Michigan's mink are raised in the Upper Peninsula. The area's cooler temperatures are ideally suited for mink. Numerous color classes are produced in the state, with Standard, the most predominant. Ranch Wild, Pastel and Violet type color classes are also very popular. These 4 color classes comprise three-fourths of the State's pelt production. Michigan's pelt output should increase as 2,000 more females were bred to produce "kits" in 1984.

Pelt Production and Farms

ITEM	**1983**	1982	1981[1]	1980	1979
	1,000 Pelts				
Pelt Production by Color Class:					
Standard	**48.4**	52.3	—	55.2	47.8
Ranch Wild	**25.9**	19.3	—	16.8	6.5
Demi-Buff	**12.2**	17.8	—	12.2	16.9
Pastel	**16.5**	22.8	—	18.1	18.7
Violet	**16.5**	9.5	—	9.2	12.8
Pearl	**13.2**	11.5	—	7.8	8.6
White	**9.4**	9.1	—	8.4	9.5
Other	**2.4**	1.7	—	1.3	3.2
Total	**144.5**	144.0	—	129.0	124.0
	1,000 Females				
Females Bred to Produce Kits in Next Year	**42.7**	40.7	—	39.1	35.8
Mink Farms Producing Pelts	59	50	—	48	48

[1] Data not available for 1981, no survey conducted.

DAIRY

General Information

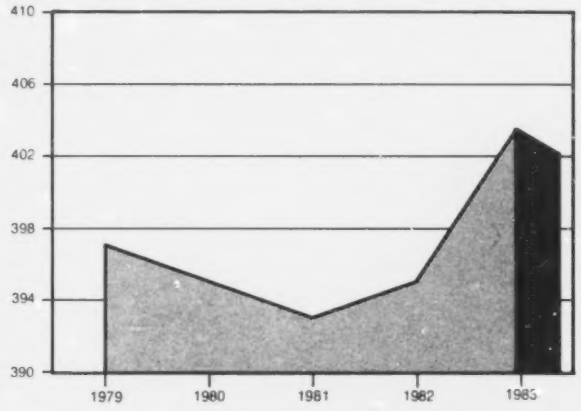
Dairy farming accounts for more cash receipts than any other agricultural enterprise in Michigan. Cash receipts from the 1983 marketings of milk and cream, at $740 million, were up 5 percent from the previous year. Dairy receipts accounted for one-fourth of the total cash farm receipts. The increase was due to a higher volume of milk sold.

Milk production in Michigan rose 5 percent during 1983 as annual milk output exceeded 5.5 billion pounds. Production neared the record high of 5.75 billion pounds established in 1964. There were 610,000 milk cows on Michigan farms during 1964. The large 1983 milk output was produced by 404,000 milk cows, illustrating the effect increased milk output per cow has had on milk production. Milk per cow increased 45 percent since 1964. Among the top milk producing states, Michigan trailed only California in milk per cow. The number of operations with cows declined slightly to 9,000 during 1983. An operation is defined as any place having one head or more of milk cows on hand at any time during the year. Approximately 8,000 of these operations could be defined as "commercial dairy farms." There were about 6,600 Grade A dairy farms and about 1,275 Grade B farms operating in the state.

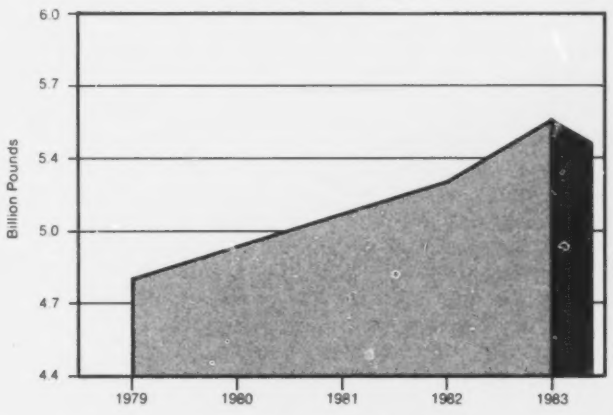
On an annual basis, milk prices held steady in 1983. The prices received for milk reported in this bulletin reflect the total value of milk as delivered to the dairy plant or receiving station *before* deductions are made for items such as hauling costs and the recent dairy assessments. These deductions are included as part of dairy farm production costs. Net returns to Michigan dairy farms were due to changes in the USDA milk price support program.

These changes were made to bring the dairy supply and demand situation closer to balance. Two special 50-cent per cwt. assessments were imposed during 1983. A dairy diversion program was announced late in 1983 as part of the Dairy and Tobacco Adjustment Act. This program pays producers who contract with USDA to reduce their milk marketings. The new program also dropped the support price to $12.69 per cwt. on December 1, 1983. The new law also allows USDA to deduct 50 cents per cwt. on all milk marketed to help offset program costs. The program specified a mandatory assessment of 15 cents per cwt. to finance promotional programs designed to increase public consumption of milk and dairy products.

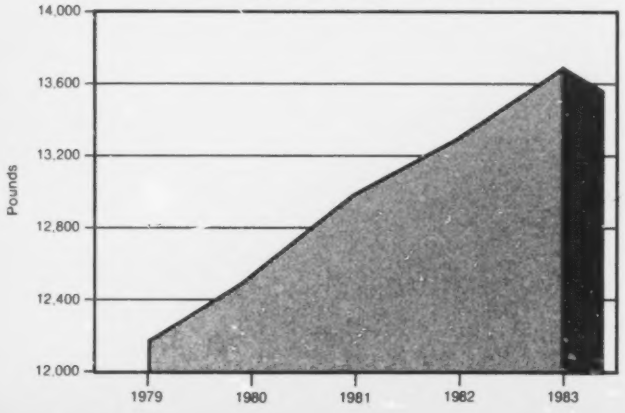
Average Number of Milk Cows on Farms



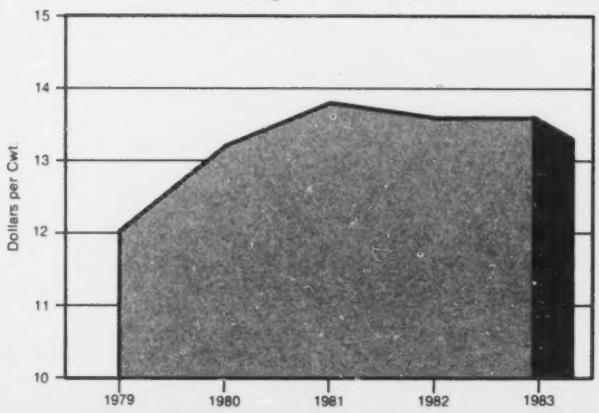
Total Milk Production



Average Production per Cow



Average Price for Milk



Cows and Milk Production

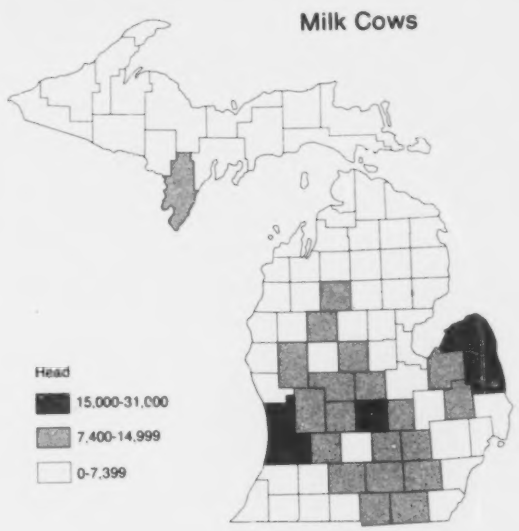
Milk production increased again during 1983. Milk output from dairy herds in Michigan exceeded 5.5 billion pounds, up 5 percent from the previous year. Average milk cow numbers increased to 404,000 head. Cow numbers increased through October before declining late in the year. Milk per cow set another record by averaging 13,683 pounds. Michigan accounted for 4 percent of the total U.S. milk production in 1983. Cow numbers and milk production are expected to decline during 1984 due to reduced milk price supports and producer participation in the paid dairy diversion program.

Whole milk sales to plants and dealers exceeded 5.4 billion pounds in 1983. Of this total, 97 percent was sold as milk eligible for fluid-grade use (grade A milk), with the remainder sold as manufacturing grade milk. Much of the fluid-grade milk is used in manufacturing dairy products. Cash receipts from the marketings of Michigan milk and cream in 1983, at nearly $740 million, were up 5 percent from the previous year. Milk and cream receipts accounted for one-fourth of Michigan's total farm cash receipts in 1983. The increased milk receipts were due entirely to the larger volume of milk sold. The value of milk sold to plants and dealers averaged $13.60 per hundredweight, unchanged from 1982. This gross value does not take into account deductions made at the milk plant or receiving station for items such as hauling costs or special dairy assessments. A small quantity of milk is still sold directly to consumers from dairy farms in the State. Prices for this milk averaged 50 cents per quart and 1983 cash receipts exceeded $4 million for these direct sales.

Milk Cows on Farms

MONTH	1983	1982[1]	1981	1980	1979
			1,000 Head		
January	**400**	395	390	400	402
February	**401**	393	391	397	400
March	**403**	392	391	397	395
April	**402**		391	395	394
May	**404**	393	391	396	394
June	**404**		392	398	394
July	**406**		393	395	395
August	**405**	397	394	394	396
September	**408**		395	394	399
October	**408**		396	392	399
November	**407**	397	396	390	400
December	**404**		396	390	400
Average	**404**	395	393	395	397

[1] Quarterly estimates April-December 1982



Milk Production per Cow

MONTH	1983	1982[1]	1981	1980	1979
			Pounds		
January	**1,125**	1,095	1,070	1,025	985
February	**1,030**	1,000	975	980	910
March	**1,150**	1,120	1,095	1,060	1,020
April	**1,130**		1,090	1,050	1,020
May	**1,180**	3,370	1,130	1,095	1,060
June	**1,165**		1,105	1,065	1,040
July	**1,185**		1,110	1,080	1,040
August	**1,175**	3,400	1,120	1,070	1,040
September	**1,140**		1,085	1,045	1,020
October	**1,150**		1,085	1,050	1,024
November	**1,100**	3,310	1,040	1,010	975
December	**1,140**		1,080	1,050	1,020
Annual	**13,683**	13,299	12,985	12,582	12,166

[1] Quarterly estimates April-December, 1982

Total Milk Production

MONTH	1983	1982[1]	1981	1980	1979
			Million Pounds		
January	**450**	433	417	410	396
February	**413**	393	381	389	364
March	**463**	439	428	421	403
April	**454**		426	415	402
May	**477**	1,324	442	434	418
June	**471**		433	424	410
July	**481**		436	427	411
August	**476**	1,350	441	422	412
September	**465**		429	412	407
October	**469**		430	412	409
November	**448**	1,314	412	394	390
December	**461**		428	410	408
Annual	**5,528**	5,253	5,103	4,970	4,830

[1] Quarterly estimates April-December 1982

Milk Production, Utilization, Marketing and Value

PRODUCTION AND USE	Unit	1983	1982	1981	1980	1979
Number of operations with milk cows	Number	**9,000**	9,500	9,500	9,500	10,000
PRODUCTION AND UTILIZATION						
Production of Milk						
Total milk produced on farms	Mil. Lbs.	**5,528**	5,253	5,103	4,970	4,830
Milkfat produced	Mil. Lbs.	**202**	191	186	182	177
Percentage of milkfat	Percent	**3.66**	3.64	3.64	3.67	3.67
Utilization						
Milk Marketed by Producers						
Sold to plants and dealers as whole milk[1]	Mil. Lbs.	**5,410**	5,145	4,995	4,870	4,715
Sold directly to consumers	Mil. Lbs.	**18**	18	20	20	25
Milk used where produced						
Fed to calves	Mil. Lbs.	**75**	65	63	55	65
Used by farm household	Mil. Lbs.	**25**	25	25	25	25
MARKETINGS						
Milk Marketed by Producers						
Sold to plants and dealers						
Whole milk sold[1]	Mil. Lbs.	**5,410**	5,145	4,995	4,870	4,715
Percent fluid grade	Percent	**97**	97	96	95	95
Price per 100 pounds	Dollars	**13.60**	13.60	13.80	13.20	12.00
Cash receipts	1,000 Dol.	**735,760**	699,720	689,310	642,840	565,800
Sold Directly to Consumers						
Quantity	1,000 Qts.	**8,372**	8,372	9,302	9,302	11,628
Price per quart	Dollars	**.50**	.50	.50	.50	.50
Cash receipts	1,000 Dol.	**4,186**	4,186	4,651	4,651	5,814
Total Marketings						
Milk utilized	Mil. Lbs.	**5,428**	5,163	5,015	4,890	4,740
Price per 100 pounds of milk	Dollars	**13.63**	13.63	13.84	13.24	12.06
Price per pound milkfat	Dollars	**3.72**	3.74	3.80	3.61	3.29
Total cash receipts	1,000 Dol.	**739,946**	703,906	693,961	647,491	571,614
VALUE						
Value of milk used where produced[2]	1,000 Dol.	**13,520**	12,078	12,294	10,537	10,884
TOTAL VALUE OF MILK PRODUCED	1,000 Dol.	**753,466**	715,984	706,255	658,028	582,498

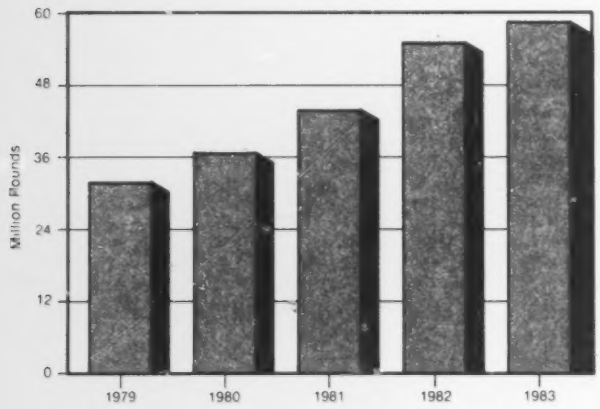
[1] Includes the equivalent amounts of milk for cream sold to plants and dealers.
[2] Includes value of milk fed to calves and milk used by farm household.

Dairy Products

A large portion of the milk produced by Michigan dairy herds is marketed in the form of manufactured dairy products. Michigan ranks high nationally in the production of butter, cottage cheese, dry buttermilk, ice cream, ice milk, milk sherbet, non-fat dry milk, and condensed skim milk. The 60 dairy product manufacturing plants in Michigan are a vital marketing channel for the State's milk production. These plants and other related industries also provide many jobs, thus contributing to the overall State economy. Michigan ranks 8th nationally in the number of plants manufacturing one or more dairy products.

Butter production increased for the fifth consecutive year. Butter plants produced 58.5 million pounds in 1983, up 6 percent from 1982. Butter production utilized more milk than did the manufacture of any other dairy product. The production of nonfat dry milk for human food continued to increase. Michigan placed 4th nationally in the production of both nonfat dry milk and dry buttermilk. Raw curd cottage cheese output increased while creamed cottage cheese production showed little change. Total cheese production increased 6 percent during 1983. Increased output of Italian type cheeses (primarily mozzarella) offset a slight drop in American cheese output. Ice cream production exceeded 34 million gallons, an increase of 2 percent from 1982. Michigan moved up to 9th place Nationally in ice cream making. A total of 32 plants produced ice cream in Michigan during 1983.

Butter Production



Butter Production

MONTH	1983	1982[1]	1981
		1,000 Pounds	
January	**5,750**	4,581	3,043
February	**5,458**	4,479	3,265
March	**5,955**	5,288	3,998
April	**5,526**		4,438
May	**5,729**	15,407	4,558
June	**4,801**		3,694
July	**3,346**		2,214
August	**2,983**	10,615	2,810
September	**3,508**		3,345
October	**4,965**		4,641
November	**4,907**	14,684	3,287
December	**5,577**		4,497
Annual	**58,505**	55,054	43,790

[1] Quarterly estimates April-December 1982.

Ice Cream Production

MONTH	1983	1982[1]	1981
		1,000 Gallons	
January	**2,161**	2,041	1,975
February	**2,289**	2,215	2,184
March	**3,016**	2,845	2,659
April	**2,517**		2,724
May	**3,033**	9,491	2,698
June	**3,616**		3,440
July	**3,654**		3,489
August	**3,748**	9,782	3,149
September	**3,302**		2,888
October	**2,415**		2,430
November	**2,295**	7,101	2,145
December	**2,229**		2,265
Annual	**34,275**	33,475	32,046

[1] Quarterly estimates April-December 1982.

Ice Milk Production

MONTH	1983	1982[1]	1981
		1,000 Gallons	
January	**490**	443	469
February	**568**	536	622
March	**801**	821	826
April	**987**		984
May	**1,229**	3,608	1,254
June	**1,397**		1,450
July	**1,453**		1,456
August	**1,295**	3,661	1,331
September	**885**		867
October	**641**		690
November	**596**	1,702	548
December	**479**		529
Annual	**10,821**	10,771	11,026

[1] Quarterly estimates April-December 1982.

Nonfat Dry Milk[1]

MONTH	1983	1982[2]	1981
		1,000 Pounds	
January	**8,899**	7,176	4,284
February	**8,730**	7,158	4,076
March	**9,432**	8,587	5,225
April	**8,863**		5,091
May	**9,527**	25,113	6,140
June	**9,337**		7,057
July	**8,696**		6,602
August	**8,812**	24,754	7,584
September	**8,094**		7,627
October	**8,604**		7,409
November	**8,488**	24,278	6,743
December	**8,947**		7,931
Annual	**106,429**	97,066	75,769

[1] Used for human food.
[2] Quarterly estimates April-December 1982.

Milk Sherbet Production

MONTH	1983	1982[1]	1981
		1,000 Gallons	
January	**84**	81	96
February	**97**	101	113
March	**131**	141	139
April	**114**		150
May	**137**	579	184
June	**174**		239
July	**166**		251
August	**151**	505	182
September	**118**		135
October	**95**		118
November	**99**	320	97
December	**108**		113
Annual	**1,474**	1,727	1,817

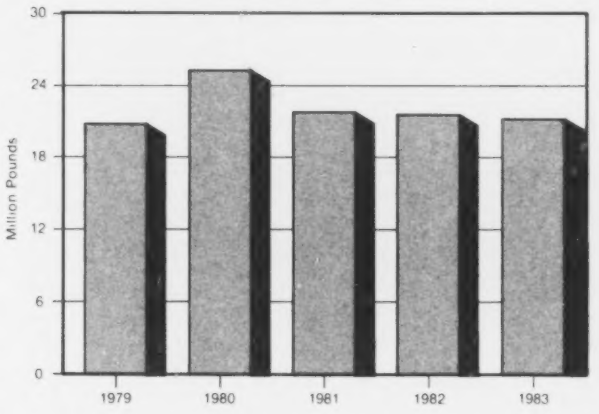
[1] Quarterly estimates April-December 1982.

Creamed Cottage Cheese Production

MONTH	1983	1982[1]	1981
		1,000 Pounds	
January	**3,313**	3,190	3,247
February	**3,184**	3,094	2,890
March	**3,854**	3,449	3,418
April	**3,573**		3,478
May	**3,599**	10,138	3,514
June	**3,698**		3,182
July	**3,463**		3,771
August	**3,355**	10,431	2,990
September	**3,331**		2,807
October	**2,957**		3,205
November	**2,988**	9,822	2,916
December	**2,799**		2,890
Annual	**40,114**	40,124	38,308

[1] Quarterly estimates April-December 1982.

American Cheese Production



Total Cheese Production[1]

MONTH	1983	1982[2]	1981
		1,000 Pounds	
January	**2,925**	2,703	2,975
February	**2,733**	2,508	2,687
March	**3,071**	2,975	3,110
April	**2,859**		2,937
May	**3,129**	9,395	3,315
June	**3,365**		3,438
July	**3,332**		3,049
August	**3,695**	9,528	3,896
September	**3,274**		2,854
October	**3,352**		2,735
November	**2,954**	8,665	2,719
December	**3,147**		2,680
Annual	**37,836**	35,774	36,395

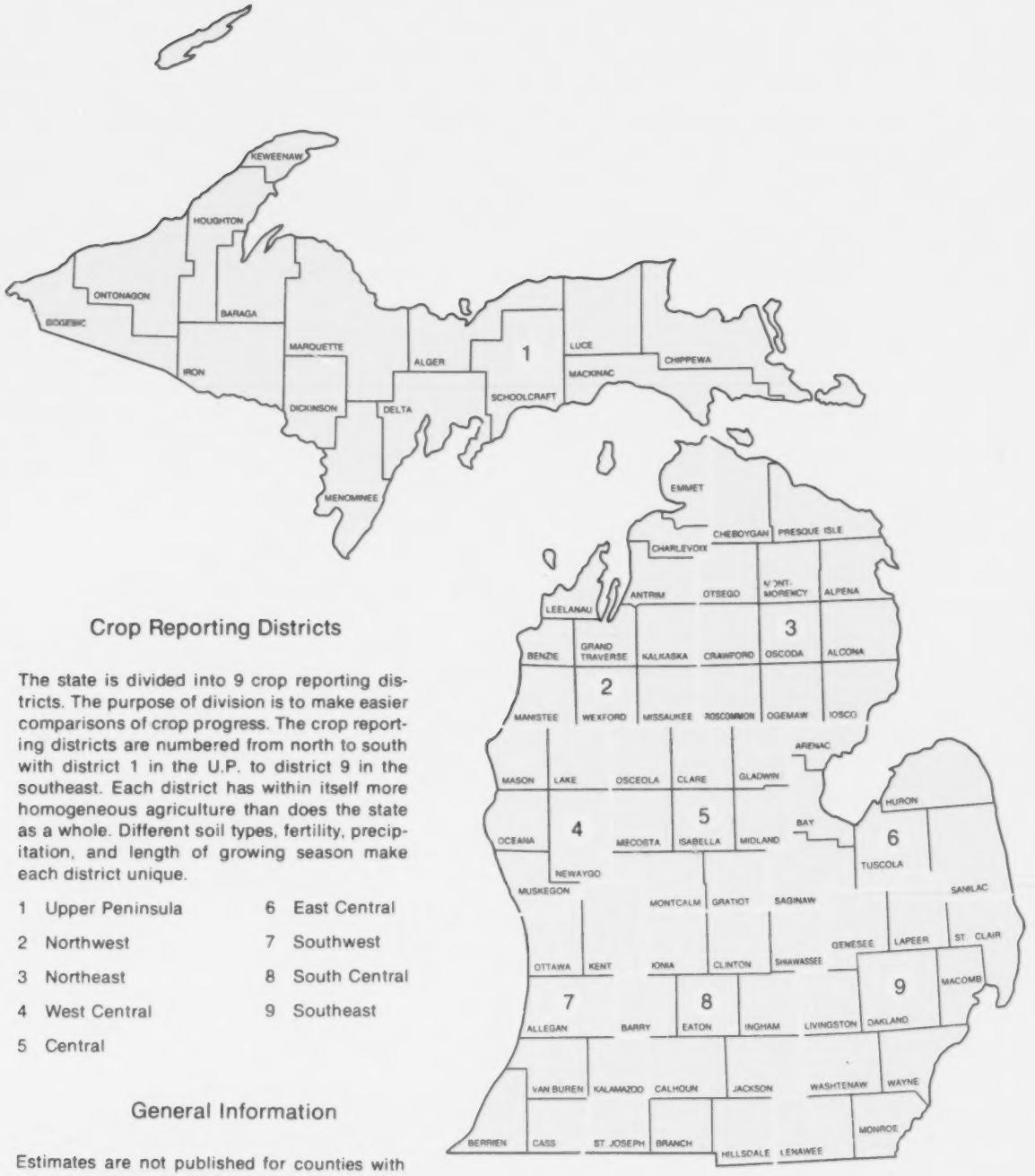
[1] Includes American Cheeses, Brick, Mozzarella and other Italian Cheeses, Cream Cheese, Feta, Havarti and Farmers Cheese. Excludes Cottage Cheeses.
[2] Quarterly estimates April-December 1982.

American Cheese Production[1]

MONTH	1983	1982[2]	1981
		1,000 Pounds	
January	**1,713**	1,772	1,899
February	**1,457**	1,547	1,690
March	**1,658**	1,762	1,898
April	**1,609**		1,927
May	**1,686**	5,717	2,009
June	**1,896**		2,034
July	**1,895**		1,784
August	**1,870**	5,798	1,827
September	**1,828**		1,761
October	**1,924**		1,727
November	**1,712**	5,012	1,626
December	**1,989**		1,623
Annual	**21,237**	21,608	21,805

[1] Includes Cheddar, Colby, Washed or Stirred Curd, Monterey and Jack.
[2] Quarterly estimates April-December 1982.

County Estimates



Crop Reporting Districts

The state is divided into 9 crop reporting districts. The purpose of division is to make easier comparisons of crop progress. The crop reporting districts are numbered from north to south with district 1 in the U.P. to district 9 in the southeast. Each district has within itself more homogeneous agriculture than does the state as a whole. Different soil types, fertility, precipitation, and length of growing season make each district unique.

1 Upper Peninsula
2 Northwest
3 Northeast
4 West Central
5 Central
6 East Central
7 Southwest
8 South Central
9 Southeast

General Information

Estimates are not published for counties with small acreages, inventories or production. Livestock rankings based on number of head. Crop rankings based on production. Corn ranking based on grain production. Dry bean yields are rounded to the nearest 10 pounds. Potato yields are rounded to the nearest 5 hundred-weight.

BEST AVAILABLE COPY

Rank of Michigan's Counties

COUNTY	Corn	Soy-beans	Wheat	Dry Beans	Oats	Pota-toes	Barley	All Cattle	Milk Cows	All Hogs	HP LA[1]	Sheep
Alger	—	—	—	—	74	—	8	71•	66	—	—	39•
Baraga	—	—	73•	—	70	—	45	76	71•	—	—	65•
Chippewa	—	—	60	—	23	—	26•	48	43	61	15	18•
Delta	63	42	69	25	32	15	5	46	42	51	55•	57•
Dickinson	68	—	—	—	66	10	10	65•	63•	69•	—	—
Gogebic	—	—	—	—	78•	—	—	79	77•	—	—	—
Houghton	70	—	—	—	49	25	52•	69	63•	73	42	63•
Iron	—	—	66	—	57	27	56•	70	75•	—	61•	45•
Keweenaw	—	—	—	—	—	—	—	—	—	—	—	—
Luce	—	—	—	57•	78•	30	56•	78	—	69•	55•	—
Mackinaw	71	—	67	—	55•	—	22•	62	55•	—	—	65•
Marquette	—	—	—	—	64	28	9	73•	70	62	—	65•
Menominee	43	51	65	57•	25	—	4	28	18•	52•	31•	63•
Ontonagon	—	—	73•	—	55•	—	35•	64	68•	74•	—	49
Schoolcraft	—	57	70	40•	71•	29	18	73•	73•	69•	—	—
Antrim	56	—	52	35	67	11	55	53	48	54•	31•	57•
Benzie	69	—	75	—	82	—	—	75	79	39•	—	65•
Charlevoix	53	—	63	44	68•	—	26•	56•	51	54	24	65•
Emmet	62	—	68	49•	60•	20•	46	54•	60•	63•	—	65•
Grand Traverse	46	53•	51	49•	62	—	—	56•	55•	46	47•	61•
Kalkaska	59	52	59	49•	77	13	—	77	73•	54•	—	65•
Leelanau	58	—	62	61	68•	—	—	59	63•	54•	43•	65•
Manistee	55	45	61	27	71•	24	34	68	75•	63•	59•	54•
Missaukee	49	—	56	53	28	—	39•	20•	10•	45	55•	36•
Wexford	52	55•	55	49•	65	—	—	61	52	48	61•	65•
Alcona	61	—	53	63•	50	—	24	51	55•	63•	25	39•
Alpena	54	53•	41	21	11	—	13	40	37•	54•	37•	36•
Cheboygan	67	49	57	31•	58	—	17	54•	49•	63•	61•	50•
Crawford	—	—	—	—	81	—	—	82	—	—	—	—
Iosco	48	43	43	29•	42	—	38	41	53•	49•	—	45•
Montmorency	65	—	54	29•	53	—	26•	67	55•	67•	—	50•
Ogemaw	50	41	50	26	34	—	15	34•	34	54•	61•	43•
Oscoda	64	—	71	—	76	—	58	65•	62	74•	—	45•
Otsego	60	—	58	34	54	22	42	63	67	69•	—	65•
Presque Isle	57	47	48	17	20	3	14	43•	44•	52•	53•	57•
Roscommon	—	—	72	—	78•	—	—	81	—	—	—	—
Lake	66	—	64	48	71•	—	—	71•	71•	67•	50•	54•
Mason	42	44	37	37	40	—	41	39	35	49•	40	25
Muskegon	39	40	44	54•	59	—	59•	38	30•	37	55•	54•
Newaygo	34	58	47	42	35	—	47•	25•	17	31	7	29•
Oceana	47	55•	46	62	60•	—	62•	37	41	35•	18•	45•
Clare	45	50	42	54•	51	—	22•	34•	39•	33	61•	20•
Gladwin	41	37	36	19	41	—	25	43•	49•	43•	53•	23•
Gratiot	11	4	12	3	6	16	47•	15•	15•	22	8	20•

Rank of Michigan's Counties

COUNTY	Corn	Soy-beans	Wheat	Dry Beans	Oats	Pota-toes	Barley	All Cattle	Milk Cows	All Hogs	HP LA[1]	Sheep
Isabella	27	25	15	10	18	—	7	10	8	23	10*	39*
Mecosta	40	46	38	20	44	4	20	29	26	38	50*	26*
Midland	35	19	29	9	47	—	54	49*	68*	34	59*	57*
Montcalm	23	28	14	7	15	1	11	18	10*	29	41	26*
Osceola	51	48	49	45	39	—	12	25*	22	41*	36	29*
Arenac	37	30	33	13	33	12	37	49*	37*	39*	45*	61*
Bay	18	16	20	4	46	2	26*	60	53*	43*	49	65*
Huron	1	32	2	2	2	—	1	1	2	9*	2	50*
Saginaw	10	1	5	5	9	23	16	33	30*	30	26*	26*
Sanilac	2	9	3	6	1	—	3	2	1	27*	34*	29*
Tuscola	3	10	1	1	4	8	2	20*	23	20*	5	29*
Allegan	6	31	30	38*	21	6	35*	3	3	2	3	14*
Berrien	32	20	32	38*	48	—	—	52	47	14	12	50*
Cass	13	18	27	—	43	—	43	36	44*	1	23	12*
Kalamazoo	20	21	16*	54*	31	—	62*	30*	36	9*	9	16*
Kent	24	36	28	23	13	14	21	6	6	20*	18*	23*
Ottawa	21	38	34	43	24	26	49	4	5	3	1	34*
Van Buren	31	29	39	—	45	34	39*	42	46	4	6	34*
Barry	29	26	26	22	36	18	32	14	14	24*	18*	14*
Branch	5	7	16*	63*	37*	—	—	24	29	6	37*	7*
Calhoun	8	22	11	36	16	36	59*	13	24*	12*	16	9
Clinton	22	6	9	12	14	—	33	5	4	12*	34*	7*
Eaton	16	14	7	8	30	19	50	20*	27*	17*	26*	3
Hillsdale	7	8	18	57*	26	—	—	11*	13	7*	13	6
Ingham	15	17	13	18	19	—	30*	15*	12	15	17	5
Ionia	19	15	6	11	17	—	19	7	7	11	4	16*
Jackson	14	34	24	40*	27	—	—	8*	21	17*	37*	2
St. Joseph	9	12	25	45*	52	—	—	32	33	5	22	11
Shiawassee	25	5	8	15	3	—	30*	19	15*	24*	21	18*
Genesee	26	11	22	28	8	9	61	30*	32	27*	26*	20
Lapeer	28	27	19	14	7	20*	6	8*	9	24*	43*	12*
Lenawee	4	2	4	31*	12	7	—	11*	18*	7*	30	4
Livingston	30	35	31	33	29	—	—	20*	24*	32	47*	10
Macomb	36	24	35	24	37*	31	—	45	39*	41*	33	39*
Monroe	12	3	10	45*	22	5	52*	47	55*	17*	14	33
Oakland	38	39	40	63*	63	—	—	56*	60*	47	50*	36*
St. Clair	33	13	21	16	10	—	51	27	27*	35*	10*	43*
Washtenaw	17	23	23	57*	5	17	44	17	18*	16	29	1
Wayne	44	33	45	—	75	—	—	80	77*	54*	45*	65*

[1] HPLA — Hens and Pullets of Laying Age.
* Tied with another county.

Agricultural Census Data, 1982[1]

DISTRICT AND COUNTY	All Farms		Farms with Sales Over $10,000		All Farms			
	Number of Farms	Land in Farms	Number of Farms	Land in Farms	Total Cropland	Irrigated Land	Market Value of Agri. Products Sold: Crops	Market Value of Agri. Products Sold: Livestock & Products
		Acres		*Acres*	*Acres*		*1,000 Dollars*	
Alger	76	17,700	31	11,675	9,681	27	158	1,718
Baraga	74	16,827	16	6,891	7,823	19	125	805
Chippewa	378	99,182	129	58,550	70,475	58	1,644	5,578
Delta	315	81,335	131	49,760	40,222	405	1,857	5,880
Dickinson	123	32,576	54	22,082	16,395	816	1,731	2,338
Gogebic	82	10,889	15	[2]	5,382	[2]	47	978
Houghton	195	35,538	44	14,771	18,722	44	707	1,835
Iron	98	29,025	33	20,159	12,896	541	1,075	802
Keweenaw	4	390	0	0	0	0	0	2
Luce	30	10,813	12	6,802	5,214	[2]	192	487
Mackinac	96	31,120	41	20,850	17,257	[2]	127	2,743
Marquette	125	29,645	21	10,236	10,568	[2]	517	1,023
Menominee	458	138,157	227	99,990	69,101	73	1,023	16,350
Ontonagon	145	38,665	35	17,626	18,739	[2]	317	1,534
Schoolcraft	56	14,494	15	7,806	7,783	[2]	236	467
UPPER PENINSULA (1)	2,255	586,356	804	347,197	310,258	1,983	9,756	42,540
Antrim	279	63,157	136	47,027	39,636	4,102	5,344	6,079
Benzie	184	26,120	58	15,662	13,349	650	3,031	920
Charlevoix	256	47,049	66	25,128	27,549	119	866	3,614
Emmet	253	47,865	62	22,526	25,909	364	1,063	3,080
Grand Traverse	462	74,148	218	52,584	51,023	2,591	8,798	4,437
Kalkaska	91	17,685	31	10,758	11,820	2,231	1,406	1,262
Leelanau	429	72,455	224	54,600	41,825	3,141	11,729	4,311
Manistee	304	49,377	93	27,500	28,935	4,486	7,960	1,001
Missaukee	343	93,925	210	73,332	64,679	1,206	1,531	21,620
Wexford	229	39,867	71	21,123	25,317	[2]	790	3,376
NORTHWEST (2)	2,830	531,648	1,169	350,240	330,042	18,890	42,518	49,700
Alcona	295	53,183	74	23,644	34,297	[2]	891	3,947
Alpena	442	80,773	143	43,799	50,204	98	2,236	7,033
Cheboygan	197	46,088	53	23,169	27,316	119	708	3,455
Crawford	18	1,604	2	[2]	827	[2]	36	23
Iosco	244	57,463	76	38,272	35,022	103	1,831	5,497
Montmorency	106	24,401	38	15,850	15,325	[2]	369	2,379
Ogemaw	308	67,380	119	45,525	46,970	22	1,327	8,211
Oscoda	86	16,856	41	12,116	9,288	[2]	178	2,081
Otsego	142	41,510	55	25,434	18,777	194	889	1,864
Presque Isle	335	88,025	114	52,807	51,726	1,155	5,217	4,790
Roscommon	37	5,391	6	1,432	3,391	[2]	152	84
NORTHEAST (3)	2,210	482,674	721	282,047	293,143	1,691	13,834	39,364
Lake	123	21,883	30	8,760	11,916	[2]	398	1,185
Mason	492	85,809	213	62,811	62,683	2,495	8,328	9,736
Muskegon	481	85,256	203	67,195	59,945	6,457	16,009	10,969
Newaygo	784	128,523	344	92,039	89,283	5,041	14,266	19,103
Oceana	735	130,279	366	99,729	85,566	2,900	20,107	9,823
WEST CENTRAL (4)	2,615	451,750	1,156	330,534	309,393	16,893	59,108	50,816
Clare	317	76,351	122	50,709	50,215	330	1,565	8,669
Gladwin	433	74,013	156	43,485	52,844	0	2,869	4,841
Gratiot	1,215	288,828	788	264,469	248,451	2,847	43,673	26,214

Agricultural Census Data, 1982[1]

DISTRICT AND COUNTY	All Farms		Farms with Sales Over $10,000		All Farms			
	Number of Farms	Land in Farms	Number of Farms	Land in Farms	Total Cropland	Irrigated Land	Market Value of Agri. Products Sold: Crops	Market Value of Agri. Products Sold: Livestock & Products
		Acres		*Acres*	*Acres*		*1,000 Dollars*	
Isabella	1,016	200,872	505	158,981	159,774	1,228	12,902	28,333
Mecosta	684	136,384	252	87,326	93,022	3,907	7,053	15,533
Midland	502	93,299	207	74,012	72,404	804	11,553	6,631
Montcalm	1,132	240,591	560	198,287	183,676	25,562	35,904	20,378
Osceola	549	117,686	210	75,348	76,293	687	1,718	16,233
CENTRAL (5)	5,848	1,228,024	2,800	952,617	936,679	35,365	117,237	126,832
Arenac	377	90,497	212	76,419	68,355	1,261	9,507	6,489
Bay	1,072	180,152	653	159,264	161,143	4,030	39,859	3,757
Huron	1,655	434,975	1,266	410,279	384,598	1,157	59,742	80,801
Saginaw	1,702	322,729	980	285,483	282,524	1,185	55,919	12,404
Sanilac	1,846	444,294	1,157	395,479	391,188	1,466	41,706	59,753
Tuscola	1,483	343,675	886	304,420	301,425	2,251	59,214	25,146
EAST CENTRAL (6)	8,135	1,816,322	5,154	1,631,344	1,589,233	11,350	265,947	188,350
Allegan	1,831	266,977	962	218,919	215,099	7,122	48,518	74,529
Berrien	1,777	189,912	757	149,820	152,411	5,308	55,259	11,065
Cass	1,022	198,663	528	169,995	152,476	11,870	20,792	34,584
Kalamazoo	961	177,191	448	148,752	140,502	13,196	30,939	22,185
Kent	1,524	223,215	716	179,069	173,201	4,785	45,684	32,472
Ottawa	1,573	183,159	853	152,333	145,371	8,796	57,378	80,837
Van Buren	1,464	197,055	687	155,903	149,638	17,700	52,804	16,476
SOUTHWEST (7)	10,152	1,436,172	4,951	1,174,791	1,128,698	68,777	311,374	272,148
Barry	1,061	188,096	455	138,629	136,505	2,203	13,659	24,525
Branch	1,170	243,076	638	208,297	186,466	24,365	26,240	24,221
Calhoun	1,281	266,680	639	220,943	206,938	10,663	28,853	25,966
Clinton	1,518	266,736	805	224,399	221,314	2,597	28,314	36,642
Eaton	1,372	244,551	663	203,419	192,572	1,676	28,036	15,974
Hillsdale	1,354	264,630	690	223,207	204,267	3,916	26,659	33,056
Ingham	1,105	222,742	504	190,332	183,799	2,174	29,649	26,760
Ionia	1 187	242,776	648	207,498	195,746	2,501	25,958	37,137
Jackson	1,242	235,184	499	183,817	172,702	5,698	20,057	25,853
St. Joseph	1,033	220,737	592	194,357	181,493	56,881	32,912	19,086
Shiawassee	1,386	244,318	692	201,747	203,254	517	23,458	19,588
SOUTH CENTRAL (8)	3,709	2,639,526	6,825	2,196,645	2,085,056	113,191	283,795	288,808
Genesee	990	160,825	394	129,066	134,134	1,240	18,716	16,025
Lapeer	1,361	225,945	544	177,006	178,853	2,150	25,775	27,015
Lenawee	1,619	376,296	956	341,493	328,020	2,400	57,292	31,544
Livingston	884	137,918	319	105,756	103,952	1,650	13,320	19,631
Macomb	819	91,222	391	72,999	77,197	1,846	24,652	9,374
Monroe	1,458	241,736	760	213,427	217,231	1,952	47,929	14,136
Oakland	688	69,053	178	44,108	50,547	974	14,816	3,708
St. Clair	1,302	205,706	529	152,858	176,126	392	19,856	17,464
Washtenaw	1,347	223,673	630	185,257	179,023	4,436	26,095	25,676
Wayne	439	37,326	151	25,105	30,649	486	12,646	526
SOUTHEAST (9)	10,907	1,769,700	4,852	1,447,075	1,475,732	17,526	261,097	165,099
STATE[3]	58,661	10,942,172	28,432	8,714,677	8,458,234	285,666	1,364,665	1,223,652

[1] Data from U.S. Department of Commerce, 1982 Census of Agriculture, preliminary report.

[2] Data withheld to avoid disclosing information for individual farms.

[3] County and District totals may not add to State Total because of census disclosure rules. State total may differ from U.S. Department of Agriculture estimates because of incompleteness, duplication, definitional differences and sampling variability.

Cattle and Sheep: January 1, 1984

DISTRICT AND COUNTY	All Cattle and Calves	All Cows that have Calved	Milk Cows	Beef Cows	All Sheep and Lambs
		Head			*Head*
Alger	2,600	1,100	900	200	700
Baraga	1,800	900	500	400	50
Chippewa	10,000	4,600	2,600	2,000	1,800
Delta	10,500	4,900	2,700	2,200	200
Dickinson	3,800	1,900	1,000	900	—
Gogebic	1,300	600	200	400	—
Houghton	3,100	1,400	1,000	400	100
Iron	2,900	1,700	300	1,400	500
Keweenaw	—	—	—	—	—
Luce	1,400	400	—	400	—
Mackinac	4,500	2,100	1,300	800	50
Marquette	2,200	1,000	600	400	50
Menominee	23,500	10,200	8,300	1,900	100
Ontonagon	4,200	1,800	700	1,100	450
Schoolcraft	2,200	1,400	400	1,000	—
UPPER PENINSULA (1)	74,000	34,000	20,500	13,500	4,000
Antrim	8,500	2,900	1,900	1,000	200
Benzie	1,900	600	100	500	50
Charlevoix	7,000	3,100	1,700	1,400	50
Emmet	7,500	3,300	1,200	2,100	50
Grand Traverse	7,000	2,400	1,300	1,100	150
Kalkaska	1,500	600	400	200	50
Leelanau	6,300	1,700	1,000	700	50
Manistee	3,300	1,500	300	1,200	300
Missaukee	26,000	11,600	10,500	1,100	750
Wexford	5,000	2,300	1,600	700	50
NORTHWEST (2)	74,000	30,000	20,000	10,000	1,700
Alcona	9,500	4,000	1,300	2,700	700
Alpena	12,500	5,500	3,200	2,300	750
Cheboygan	7,500	3,600	1,800	1,800	400
Crawford	100	—	—	—	—
Iosco	12,200	4,400	1,500	2,900	500
Montmorency	3,500	1,800	1,300	500	400
Ogemaw	15,500	5,900	4,200	1,700	600
Oscoda	3,800	1,700	1,100	600	500
Otsego	4,300	1,500	800	700	50
Presque Isle	11,700	5,100	2,500	2,600	200
Roscommon	400	200	—	200	—
NORTHEAST (3)	81,000	33,700	17,700	16,000	4,100
Lake	2,600	1,100	500	600	300
Mason	13,200	4,500	3,800	700	1,300
Muskegon	14,500	5,500	4,700	800	300
Newaygo	25,000	10,100	8,400	1,700	1,100
Oceana	14,700	4,600	2,900	1,700	500
WEST CENTRAL (4)	70,000	25,800	20,300	5,500	3,500
Clare	15,500	6,000	3,000	3,000	1,600
Gladwin	11,700	4,400	1,800	2,600	1,400
Gratiot	31,000	11,600	8,700	2,900	1,600

Cattle and Sheep: January 1, 1984

DISTRICT AND COUNTY	All Cattle and Calves	All Cows that have Calved	Milk Cows	Beef Cows	All Sheep and Lambs
		Head			*Head*
Isabella	38,500	14,000	11,200	2,800	700
Mecosta	22,800	9,300	6,100	3,200	1,200
Midland	9,800	1,700	700	1,000	200
Montcalm	28,700	12,000	10,500	1,500	1,200
Osceola	25,000	11,500	8,000	3,500	1,100
CENTRAL (5)	183,000	70,500	50,000	20,500	9,000
Arenac	9,800	3,800	3,200	600	150
Bay	5,200	1,900	1,500	400	50
Huron	85,000	22,900	19,500	3,400	400
Saginaw	17,000	6,200	4,700	1,500	1,200
Sanilac	83,000	33,500	31,000	2,500	1,100
Tuscola	26,000	10,200	7,600	2,600	1,100
EAST CENTRAL (6)	226,000	78,500	67,500	11,000	4,000
Allegan	56,000	20,000	16,500	3,500	2,200
Berrien	9,000	3,600	2,100	1,500	400
Cass	15,000	6,100	2,500	3,600	2,400
Kalamazoo	20,000	5,900	3,600	2,300	2,000
Kent	44,000	17,600	14,000	3,600	1,400
Ottawa	53,000	19,500	15,000	4,500	800
Van Buren	12,000	4,800	2,300	2,500	800
SOUTHWEST (7)	209,000	77,500	56,000	21,500	10,000
Barry	32,000	13,800	9,700	4,100	2,200
Branch	25,500	7,800	5,500	2,300	3,800
Calhoun	34,000	12,700	7,400	5,300	2,900
Clinton	45,000	17,700	15,500	2,200	3,800
Eaton	26,000	10,700	6,000	4,700	4,800
Hillsdale	35,000	13,600	10,000	3,600	4,000
Ingham	31,000	13,000	10,200	2,800	4,500
Ionia	43,000	16,300	13,500	2,800	2,000
Jackson	39,000	13,500	8,200	5,300	6,200
St. Joseph	17,500	6,300	4,300	2,000	2,500
Shiawassee	27,000	11,100	8,700	2,400	1,800
SOUTH CENTRAL (8)	355,000	136,500	99,000	37,500	38,500
Genesee	20,000	6,500	4,500	2,000	1,600
Lapeer	39,000	14,500	10,800	3,700	2,400
Lenawee	35,000	10,700	8,300	2,400	4,700
Livingston	26,000	9,600	7,400	2,200	2,700
Macomb	11,000	4,100	3,000	1,100	700
Monroe	10,200	2,000	1,300	700	900
Oakland	7,000	3,200	1,200	2,000	750
St. Clair	24,000	11,400	6,000	5,400	600
Washtenaw	30,000	11,100	8,300	2,800	20,700
Wayne	800	400	200	200	150
SOUTHEAST (9)	203,000	73,500	51,000	22,500	35,200
STATE	1,475,000	560,000	402,000	158,000	110,000

Cattle and Sheep: January 1, 1983

DISTRICT AND COUNTY	All Cattle and Calves	All Cows that have Calved	Milk Cows	Beef Cows	All Sheep and Lambs
		Head			*Head*
Alger	2,700	1,400	900	500	300
Baraga	1,800	1,300	500	800	50
Chippewa	10,000	5,000	2,500	2,500	1,100
Delta	10,500	5,700	2,600	3,100	300
Dickinson	3,800	1,900	1,000	900	--
Gogebic	1,300	800	200	600	—
Houghton	3,200	1,800	1,000	800	100
Iron	2,900	1,600	300	1,300	650
Keweenaw	—	—	—	—	—
Luce	1,500	400	—	400	—
Mackinac	4,400	2,200	1,300	900	50
Marquette	2,400	1,200	600	600	50
Menominee	24,000	10,800	8,300	2,500	100
Ontonagon	4,300	3,000	700	2,300	300
Schoolcraft	2,200	1,600	300	1,300	—
UPPER PENINSULA (1)	75,000	38,700	20,200	18,500	3,000
Antrim	8,600	3,400	1,900	1,500	150
Benzie	1,800	700	100	600	100
Charlevoix	7,100	3,300	1,700	1,600	150
Emmet	7,600	3,600	1,200	2,400	100
Grand Traverse	7,100	2,500	1,300	1,200	100
Kalkaska	1,500	700	400	300	50
Leelanau	6,300	1,800	1,000	800	50
Manistee	3,500	2,000	300	1,700	300
Missaukee	26,500	12,700	10,500	2,200	700
Wexford	5,000	2,300	1,600	700	100
NORTHWEST (2)	75,000	33,000	20,000	13,000	1,800
Alcona	9,600	4,700	1,300	3,400	600
Alpena	12,800	5,900	3,200	2,700	300
Cheboygan	7,500	4,100	1,800	2,300	450
Crawford	100	—	—	—	—
Iosco	12,500	5,000	1,500	3,500	400
Montmorency	3,700	2,100	1,300	800	300
Ogemaw	15,500	6,100	4,300	1,800	500
Oscoda	3,800	1,800	1,100	700	400
Otsego	4,400	2,000	800	1,200	50
Presque Isle	11,700	6,300	2,600	3,700	200
Roscommon	400	400	—	400	—
NORTHEAST (3)	82,000	38,400	17,900	20,500	3,200
Lake	2,600	1,200	500	700	200
Mason	13,700	5,300	3,900	1,400	1,000
Muskegon	15,000	5,700	4,600	1,100	400
Newaygo	25,700	10,700	8,400	2,300	2,400
Oceana	15,000	5,500	3,000	2,500	800
WEST CENTRAL (4)	72,000	28,400	20,400	8,000	4,800
Clare	16,000	7,000	3,000	4,000	1,200
Gladwin	12,000	5,500	1,800	3,700	1,100
Gratiot	31,500	12,700	8,800	3,900	1,900

Cattle and Sheep: January 1, 1983

DISTRICT AND COUNTY	All Cattle and Calves	All Cows that have Calved	Milk Cows	Beef Cows	All Sheep and Lambs
		Head			*Head*
Isabella	39,500	15,000	11,200	3,800	600
Mecosta	23,000	10,200	6,100	4,100	800
Midland	10,000	2,500	700	1,800	300
Montcalm	29,000	12,600	10,400	2,200	800
Osceola	25,000	12,500	8,000	4,500	900
CENTRAL (5)	186,000	78,000	50,000	28,000	7,600
Arenac	10,000	4,100	3,200	900	100
Bay	5,300	2,300	1,500	800	100
Huron	86,000	24,700	19,500	5,200	400
Saginaw	17,200	6,500	4,700	1,800	1,500
Sanilac	84,000	35,400	31,000	4,400	1,000
Tuscola	26,500	10,500	7,600	2,900	700
EAST CENTRAL (6)	229,000	83,500	67,500	16,000	3,800
Allegan	57,000	21,300	16,500	4,800	1,700
Berrien	9,500	4,600	2,100	2,500	300
Cass	15,500	7,600	2,600	5,000	1,900
Kalamazoo	20,000	6,700	3,500	3,200	1,800
Kent	44,500	18,700	13,700	5,000	1,200
Ottawa	54,000	20,800	14,800	6,000	600
Van Buren	12,500	5,800	2,300	3,500	500
SOUTHWEST (7)	213,000	85,500	55,500	30,000	8,000
Barry	32,500	14,900	9,700	5,200	2,000
Branch	26,000	9,100	5,500	3,600	3,500
Calhoun	35,000	14,000	7,300	6,700	2,900
Clinton	45,000	17,800	15,000	2,800	3,500
Eaton	26,000	12,400	6,000	6,400	4,100
Hillsdale	36,000	14,600	10,000	4,600	3,500
Ingham	32,000	14,200	10,200	4,000	3,000
Ionia	43,500	18,000	13,500	4,500	1,600
Jackson	39,500	14,800	8,100	6,700	7,000
St. Joseph	18,000	7,300	4,300	3,000	1,900
Shiawassee	27,500	11,900	8,400	3,500	1,300
SOUTH CENTRAL (8)	361,000	149,000	98,000	51,000	34,300
Genesee	20,500	7,600	4,500	3,100	900
Lapeer	40,000	15,300	10,800	4,500	1,400
Lenawee	35,500	11,800	8,300	3,500	5,500
Livingston	26,700	10,300	7,300	3,000	2,200
Macomb	11,500	4,700	3,000	1,700	500
Monroe	10,500	2,100	1,300	800	900
Oakland	7,000	4,000	1,200	2,800	500
St. Clair	24,500	12,200	5,700	6,500	450
Washtenaw	30,000	12,000	8,200	3,800	21,000
Wayne	800	500	200	300	150
SOUTHEAST (9)	207,000	80,500	50,500	30,000	33,500
STATE	1,500,000	615,000	400,000	215,000	100,000

Hogs and Pigs, Chickens: December, 1, 1982-83

DISTRICT AND COUNTY	All Hogs and Pigs		Sows Farrowed		Hens and Pullets of Laying Age	
	1983	1982	1983	1982	1983	1982
	Head				*Birds*	
Alger	—	—	—	—	—	—
Baraga	—	—	—	—	—	—
Chippewa	300	500	200	150	64,000	72,000
Delta	1,400	900	200	150	2,000	1,500
Dickinson	200	150	100	—	—	—
Gogebic	—	—	—	—	—	—
Houghton	150	—	—	—	9,000	9,000
Iron	—	—	—	—	1,000	2,000
Keweenaw	—	—	—	—	—	—
Luce	200	150	—	—	2,000	5,000
Mackinac	—	—	—	—	—	—
Marquette	700	500	100	100	—	—
Menominee	1,100	800	400	350	21,000	25,000
Ontonagon	100	100	—	—	—	—
Schoolcraft	200	150	—	—	—	—
UPPER PENINSULA (1)	5,100	3,500	1,200	900	102,000	118,000
Antrim	100	700	300	200	21,000	20,000
Benzie	4,000	2,300	250	200	—	—
Charlevoix	1,000	500	150	100	28,000	20,000
Emmet	500	300	—	—	—	—
Grand Traverse	2,900	2,000	500	400	6,000	15,000
Kalkaska	1,000	1,000	350	300	—	2,000
Leelanau	1,000	700	200	150	8,000	11,000
Manistee	500	400	100	100	1,500	1,500
Missaukee	3,000	2,400	1,300	800	2,000	23,000
Wexford	2,400	1,200	800	600	1,000	1,500
NORTHWEST (2)	17,300	11,500	4,000	2,900	70,000	95,000
Alcona	500	800	100	100	27,000	25,000
Alpena	1,000	1,300	250	200	14,000	17,000
Cheboygan	500	500	100	100	1,000	1,000
Crawford	—	—	—	—	—	—
Iosco	2,200	1,800	500	400	—	—
Montmorency	400	100	—	—	—	—
Ogemaw	1,000	700	300	200	1,000	1,000
Oscoda	100	100	—	—	—	—
Otsego	200	200	—	—	—	—
Presque Isle	1,100	600	300	150	2,500	2,500
Roscommon	—	—	—	—	—	—
NORTHEAST (3)	7,100	6,200	1,700	1,300	49,000	50,000
Lake	400	200	100	—	3,000	2,000
Mason	2,200	1,200	700	550	11,000	17,000
Muskegon	4,900	2,500	1,200	800	2,000	15,000
Newaygo	8,500	5,300	2,300	1,700	144,000	155,000
Oceana	5,000	3,200	1,700	1,100	50,000	44,000
WEST CENTRAL (4)	21,000	12,400	6,000	4,200	210,000	233,000
Clare	6,500	5,500	1,700	1,200	1,000	1,500
Gladwin	3,500	1,800	800	500	2,500	2,500
Gratiot	20,000	17,000	3,500	2,600	116,000	100,000

Hogs and Pigs, Chickens: December, 1, 1982-83

DISTRICT AND COUNTY	All Hogs and Pigs		Sows Farrowed		Hens and Pullets of Laying Age	
	1983	1982	1983	1982	1983	1982
	Head				*Birds*	
Isabella	18,000	14,800	3,400	2,600	100,000	90,000
Mecosta	4,700	2,300	1,100	800	3,000	20,000
Midland	5,500	3,500	1,400	900	1,500	1,000
Montcalm	13,000	8,000	2,800	1,900	10,000	50,000
Osceola	3,800	3,600	1,000	700	16,000	17,000
CENTRAL (5)	75,000	56,500	15,800	11,200	250,000	282,000
Arenac	4,000	3,700	700	400	7,000	8,000
Bay	3,500	2,000	600	400	4,000	7,000
Huron	38,000	23,500	6,300	4,700	1,050,000	970,000
Saginaw	11,000	7,300	1,400	1,000	25,000	20,000
Sanilac	14,000	8,000	2,800	2,100	19,000	15,000
Tuscola	21,000	17,000	3,500	2,400	360,000	400,000
EAST CENTRAL (6)	91,500	61,500	15,300	11,000	1,465,000	1,420,000
Allegan	115,000	65,000	16,500	10,500	800,000	850,000
Berrien	30,000	22,000	5,500	3,500	85,000	115,000
Cass	175,000	140,000	45,000	34,000	30,000	30,000
Kalamazoo	38,000	26,000	8,000	5,000	115,000	90,000
Kent	21,000	10,000	4,500	3,000	50,000	120,000
Ottawa	90,000	50,000	18,000	11,500	1,290,000	1,050,000
Van Buren	67,000	30,000	12,500	7,500	170,000	165,000
SOUTHWEST (7)	536,000	343,000	110,000	75,000	2,540,000	2,420,000
Barry	15,000	8,500	2,600	1,900	50,000	75,000
Branch	50,000	30,000	9,000	6,700	14,000	15,000
Calhoun	33,000	24,000	7,800	5,300	62,000	88,000
Clinton	33,000	21,000	6,500	4,600	19,000	20,000
Eaton	23,000	14,000	4,000	2,700	25,000	25,000
Hillsdale	45,000	31,000	8,200	5,500	83,000	80,000
Ingham	28,000	20,000	4,500	3,600	55,000	45,000
Ionia	35,000	21,000	6,500	3,800	625,000	570,000
Jackson	23,000	12,500	3,000	2,000	14,000	12,000
St. Joseph	55,000	34,000	12,000	8,200	40,000	80,000
Shiawassee	15,000	8,000	2,900	1,700	43,000	40,000
SOUTH CENTRAL (8)	355,000	224,000	67,000	46,000	1,030,000	1,050,000
Genesee	14,000	6,000	1,900	1,200	25,000	35,000
Lapeer	15,000	8,200	3,500	2,400	8,000	7,000
Lenawee	45,000	30,000	8,000	6,300	22,000	33,000
Livingston	6,700	3,800	1,500	1,000	6,000	6,000
Macomb	3,800	2,300	800	500	20,000	13,000
Monroe	23,000	13,000	3,800	2,600	70,000	70,000
Oakland	2,500	1,200	600	300	3,000	16,000
St. Clair	5,000	3,200	1,500	900	100,000	105,000
Washtenaw	26,000	13,000	5,300	3,200	23,000	30,000
Wayne	1,000	700	100	100	7,000	17,000
SOUTHEAST (9)	142,000	81,400	27,000	18,500	284,000	332,000
STATE	1,250,000	800,000	248,000	171,000	6,000,000	6,000,000

MILK: Cow Number, Production Per Cow, Total Production, 1982-83

DISTRICT AND COUNTY	1983			1982		
	Milk Cows	Milk Per Cow	Total Milk Produced	Milk Cows	Milk Per Cow	Total Milk Produced
	Head	*Pounds*	*1,000 Pounds*	*Head*	*Pounds*	*1,000 Pounds*
Alger	900	13,440	12,100	900	13,000	11,700
Baraga	500	13,800	6,900	500	13,400	6,700
Chippewa	2,600	12,460	32,400	2,600	12,120	31,500
Delta	2,700	12,590	34,000	2,600	12,230	31,800
Dickinson	1,000	14,700	14,700	1,000	14,300	14,300
Gogebic	200	13,000	2,600	200	13,000	2,600
Houghton	1,000	12,900	12,900	1,200	12,500	15,000
Iron	300	14,670	4,400	300	14,330	4,300
Keweenaw	—	—	—	—	—	—
Luce	—	—	—	—	—	—
Mackinac	1,300	14,080	18,300	1,200	13,670	16,400
Marquette	600	12,830	7,700	600	12,330	7,400
Menominee	8,300	12,570	104,300	8,400	12,200	102,500
Ontonagon	700	14,000	9,800	700	13,570	9,500
Schoolcraft	400	14,750	5,900	300	14,330	4,300
UPPER PENINSULA (1)	20,500	12,976	266,000	20,500	12,585	258,000
Antrim	1,900	13,420	25,500	1,800	13,060	23,500
Benzie	100	13,000	1,300	100	13,000	1,300
Charlevoix	1,700	13,180	22,400	1,600	12,810	20,500
Emmet	1,200	13,080	15,700	1,200	12,670	15,200
Grand Traverse	1,300	14,620	19,000	1,200	14,170	17,000
Kalkaska	400	12,250	4,900	400	12,000	4,800
Leelanau	1,000	14,700	14,700	900	14,220	12,800
Manistee	300	12,330	3,700	300	12,000	3,600
Missaukee	10,500	14,780	155,200	9,000	14,500	130,500
Wexford	1,600	12,880	20,600	1,500	12,530	18,800
NORTHWEST (2)	20,000	14,150	283,000	18,000	13,778	248,000
Alcona	1,300	14,620	19,000	1,200	14,170	17,000
Alpena	3,200	14,690	47,000	3,000	14,400	43,200
Cheboygan	1,800	14,560	26,200	1,500	14,200	21,300
Crawford	—	—	—	—	—	—
Iosco	1,500	14,400	21,600	1,300	14,000	18,200
Montmorency	1,300	13,000	16,900	1,300	12,620	16,400
Ogemaw	4,200	13,330	56,000	4,200	13,100	55,000
Oscoda	1,100	14,640	16,100	1,000	14,300	14,300
Otsego	800	13,880	11,100	700	13,430	9,400
Presque Isle	2,500	13,240	33,100	2,500	12,880	32,200
Roscommon	—	—	—	—	—	—
NORTHEAST (3)	17,700	13,955	247,000	16,700	13,593	227,000
Lake	500	13,600	6,800	500	13,200	6,600
Mason	3,800	13,950	53,000	3,500	13,570	47,500
Muskegon	4,700	13,400	63,000	4,400	13,020	57,300
Newaygo	8,400	13,540	113,700	8,000	13,280	106,200
Oceana	2,900	13,970	40,500	2,900	13,590	39,400
WEST CENTRAL (4)	20,300	13,645	277,000	19,300	13,316	257,000
Clare	3,000	14,330	43,000	2,800	13,930	39,000
Gladwin	1,800	14,170	25,500	1,800	13,780	24,800
Gratiot	8,700	14,520	126,300	8,000	14,090	112,700

MILK: Cow Number, Production Per Cow, Total Production, 1982-83

DISTRICT AND COUNTY	1983			1982		
	Milk Cows	Milk Per Cow	Total Milk Produced	Milk Cows	Milk Per Cow	Total Milk Produced
	Head	*Pounds*	*1,000 Pounds*	*Head*	*Pounds*	*1,000 Pounds*
Isabella	11,200	13,180	147,600	11,000	12,820	141,000
Mecosta	6,100	14,640	89,300	5,500	14,240	78,300
Midland	700	13,570	9,500	700	13,290	9,300
Montcalm	10,500	13,190	138,500	10,000	12,820	128,200
Osceola	8,000	13,790	110,300	7,700	13,400	103,200
CENTRAL (5)	50,000	13,800	690,000	47,500	13,400	636,500
Arenac	3,200	12,470	39,900	3,300	12,120	40,000
Bay	1,500	13,870	20,800	1,500	13,470	20,200
Huron	19,700	14,210	280,000	19,400	13,820	268,100
Saginaw	4,700	13,680	64,300	4,900	13,310	65,200
Sanilac	31,300	14,950	468,000	30,700	14,560	447,000
Tuscola	7,600	13,420	102,000	7,700	13,050	100,500
EAST CENTRAL (6)	68,000	14,338	975,000	67,500	13,941	941,000
Allegan	16,700	13,200	220,500	16,200	12,870	208,500
Berrien	2,100	13,190	27,700	2,200	12,860	28,300
Cass	2,600	11,960	31,100	2,700	11,590	31,300
Kalamazoo	3,600	13,670	49,200	3,600	13,280	47,800
Kent	14,200	14,050	199,500	13,700	13,670	187,300
Ottawa	15,000	13,900	208,500	14,500	13,550	196,500
Van Buren	2,300	12,390	28,500	2,600	12,040	31,300
SOUTHWEST (7)	56,500	13,540	765,000	55,500	13,171	731,000
Barry	9,800	13,440	131,700	9,000	13,060	117,500
Branch	5,500	12,980	71,400	5,700	12,630	72,000
Calhoun	7,500	13,530	101,500	7,300	13,150	96,000
Clinton	15,800	13,990	221,000	14,700	13,600	200,000
Eaton	6,000	12,330	74,000	5,900	11,980	70,700
Hillsdale	10,000	13,660	136,600	10,500	13,280	139,400
Ingham	10,200	13,670	139,400	10,200	13,280	135,500
Ionia	13,500	12,990	175,400	13,700	12,630	173,000
Jackson	8,200	12,830	105,200	8,100	12,470	101,000
St. Joseph	4,300	13,140	56,500	4,500	12,780	57,500
Shiawassee	8,700	12,910	112,300	9,400	12,540	117,900
SOUTH CENTRAL (8)	99,500	13,317	1,325,000	99,000	12,934	1,280,500
Genesee	4,500	14,200	63,900	4,000	13,800	55,200
Lapeer	11,000	14,140	155,500	10,700	13,790	147,500
Lenawee	8,300	14,000	116,200	8,300	13,640	113,200
Livingston	7,500	13,150	98,600	7,300	12,770	93,200
Macomb	3,000	13,400	40,200	3,100	13,030	40,400
Monroe	1,300	13,850	18,000	1,400	13,500	18,900
Oakland	1,200	13,500	16,200	1,300	13,150	17,100
St. Clair	6,200	12,500	77,500	6,300	12,130	76,400
Washtenaw	8,300	13,370	111,000	8,400	13,010	109,300
Wayne	200	14,500	2,900	200	14,000	2,800
SOUTHEAST (9)	51,500	13,592	700,000	51,000	13,216	674,000
STATE	404,000	13,683	5,528,000	395,000	13,299	5,253,000

Payment In Kind And Conservation Tillage

DISTRICT AND COUNTY	Payment in Kind Program, 1983[1]				Conservation Tillage Types, 1983[2]	
	Acreage Enrolled		Payment to Producers		No-Till	Conservation Tillage[3]
	Corn	Wheat	Corn	Wheat		
	Acres		*Bushels*		*Acres*	
Alger	122	0	7,833	0	47	47
Baraga	71	0	7,894	0	0	0
Chippewa	31	138	1,455	3,218	0	20
Delta	777	14	37,782	503	100	700
Dickinson	270	0	14,395	0	0	950
Gogebic	0	0	0	0	0	0
Houghton	99	0	7,930	0	20	620
Iron	45	0	1,948	0	0	200
Keweenaw	0	0	0	0	0	0
Luce	30	0	1,362	0	0	200
Mackinac	111	37	7,868	1,253	0	200
Marquette	92	0	4,278	0	0	0
Menominee	3,555	20	157,001	715	250	5,770
Ontonagon	18	17	1,830	551	0	200
Schoolcraft	0	19	0	326	16	316
UPPER PENINSULA (1)	5,221	245	251,576	6,566	433	9,223
Antrim	1,480	170	122,108	5,125	2,600	3,900
Benzie	396	20	21,262	661	0	0
Charlevoix	1,546	80	89,780	2,547	580	780
Emmet	643	49	32,203	1,757	220	520
Grand Traverse	2,938	479	159,430	13,725	430	2,930
Kalkaska	855	223	61,237	3,057	160	1,960
Leelanau	1,342	142	70,441	4,238	136	286
Manistee	953	136	45,681	4,466	140	165
Missaukee	2,764	158	277,233	9,303	0	5,500
Wexford	1,943	518	95,724	16,306	34	234
NORTHWEST (2)	14,860	1,975	975,099	61,185	4,300	16,275
Alcona	802	405	49,866	14,134	650	794
Alpena	2,725	1,260	154,101	41,746	50	50
Cheboygan	686	107	38,298	3,386	21	21
Crawford	0	0	0	0	0	0
Iosco	2,751	645	196,216	20,228	36	8,036
Montmorency	831	201	50,309	6,016	168	418
Ogemaw	4,039	883	231,126	25,463	77	2,577
Oscoda	138	44	8,132	1,424	0	0
Otsego	766	155	49,585	4,351	200	200
Presque Isle	1,246	772	75,312	27,018	0	900
Roscommon	0	6	0	443	0	0
NORTHEAST (3)	13,984	4,478	852,945	144,209	1,202	12,996
Lake	417	145	24,165	4,667	0	0
Mason	5,386	1,435	282,135	46,706	630	2,930
Muskegon	6,961	461	385,097	15,848	500	6,800
Newaygo	8,212	911	413,803	25,052	3,070	14,720
Oceana	4,177	324	232,470	10,522	8,385	16,965
WEST CENTRAL (4)	25,153	3,276	1,337,670	102,795	12,585	41,415
Clare	2,661	457	194,631	15,088	599	1,674
Gladwin	4,476	419	253,442	12,258	177	1,657
Gratiot	24,837	3,024	2,021,742	127,136	2,008	52,003

Payment In Kind And Conservation Tillage

DISTRICT AND COUNTY	Payment in Kind Program, 1983[1]				Conservation Tillage Types, 1983[2]	
	Acreage Enrolled		Payment to Producers		No-Till	Conservation Tillage[3]
	Corn	Wheat	Corn	Wheat		
	Acres		*Bushels*		*Acres*	
Isabella	22,296	1,774	1,172,341	58,848	9,280	25,780
Mecosta	6,868	1,628	395,098	52,791	2,358	13,923
Midland	7,655	497	582,959	23,193	500	688
Montcalm	19,649	3,217	1,262,502	128,896	2,220	35,220
Osceola	3,155	294	181,196	8,664	912	8,162
CENTRAL (5)	91,597	11,310	6,063,[illegible]	426,874	18,054	139,107
Arenac	5,817	1,040	426,348	52,878	140	10,140
Bay	13,322	1,270	1,080,456	58,063	150	12,309
Huron	40,819	3,365	3,005,144	137,524	200	15,200
Saginaw	22,620	2,991	1,988,111	160,379	3,364	4,672
Sanilac	34,993	5,249	2,610,463	215,586	680	24,402
Tuscola	34,259	3,313	2,561,238	143,342	740	33,400
EAST CENTRAL (6)	151,830	17,228	11,671,760	767,772	5,274	100,123
Allegan	29,011	1,348	2,116,011	47,013	2,020	30,020
Berrien	18,126	1,017	1,188,419	36,055	6,500	63,000
Cass	24,451	1,004	1,966,515	64,007	3,500	48,250
Kalamazoo	20,580	2,371	1,549,633	83,257	3,100	38,100
Kent	20,069	2,229	995,352	71,755	3,431	26,285
Ottawa	14,655	1,016	998,233	33,332	2,034	15,034
Van Buren	16,984	1,104	1,176,379	39,102	7,020	15,445
SOUTHWEST (7)	143,876	10,089	9,990,542	374,521	27,605	236,134
Barry	13,766	3,534	917,641	127,256	2,120	15,070
Branch	34,614	946	2,682,980	34,467	2,700	5,380
Calhoun	17,372	2,536	2,922,772	117,412	3,933	76,733
Clinton	23,003	6,972	1,502,463	319,518	24,540	98,350
Eaton	11,367	3,076	1,446,738	183,235	9,000	10,150
Hillsdale	37,235	3,575	2,403,605	111,938	3,125	83,731
Ingham	23,317	1,614	1,718,183	63,269	5,200	46,993
Ionia	21,162	4,041	1,471,831	148,875	8,092	38,098
Jackson	25,172	1,185	1,630,478	54,544	3,751	30,251
St. Joseph	28,222	1,916	2,629,773	78,358	2,620	17,620
Shiawassee	17,460	3,025	1,124,038	105,914	1,108	23,508
SOUTH CENTRAL (8)	252,690	32,420	20,450,502	1,344,786	66,189	445,884
Genesee	15,364	2,796	1,082,271	118,174	170	38,520
Lapeer	25,072	2,733	1,769,561	95,783	400	26,600
Lenawee	36,873	6,683	2,871,287	276,080	4,950	41,450
Livingston	13,905	1,581	960,161	53,725	405	40,775
Macomb	7,319	1,159	559,197	39,215	173	8,973
Monroe	21,464	3,655	1,757,575	160,149	100	30,100
Oakland	6,172	1,279	387,690	48,367	812	7,512
St. Clair	13,134	2,907	834,977	86,087	120	86,880
Washtenaw	21,186	2,782	1,567,241	113,532	400	6,470
Wayne	1,742	199	126,696	7,124	0	0
SOUTHEAST (9)	162,231	25,774	11,916,656	998,236	7,530	287,280
STATE	861,442	106,795	63,510,661	4,226,944	143,172	1,288,437

[1] Data supplied by USDA-ASCS. Does not include acreage reduction program data.
[2] Data supplied by USDA-SCS. Data collected by National Association of Conservation Districts.
[3] Sum of No-till, Ridge-till, Strip-till, Mulch-till and Reduced-till.

CORN: Acreage, Yield, Production, 1983[1]

DISTRICT AND COUNTY	Planted All Purposes	Harvested	Grain Yield	Production	Harvested	Silage Yield	Production
	Acres			*Bushels*	*Acres*		*Tons*
Alger	—	—	—	—	—	—	—
Baraga	—	—	—	—	—	—	—
Chippewa	—	—	—	—	—	—	—
Delta	2,800	1,040	76.0	79,000	1,600	10.0	16,000
Dickinson	740	340	82.4	28,000	350	9.4	3,300
Gogebic	—	—	—	—	—	—	—
Houghton	—	—	—	—	—	—	—
Iron	—	—	—	—	—	—	—
Keweenaw	—	—	—	—	—	—	—
Luce	—	—	—	—	—	—	—
Mackinac	510	200	72.5	14,500	280	10.0	2,800
Marquette	—	—	—	—	—	—	—
Menominee	13,800	6,300	81 3	512,400	7,300	10.1	73,600
Ontonagon	—	—	—	—	—	—	—
Schoolcraft	—	—	—	—	—	—	—
UPPER PENINSULA (1)	20,000	8,600	80.0	688,000	10,870	10.0	108,700
Antrim	4,100	2,000	73.0	146,000	1,960	11.0	21,600
Benzie	1,900	300	76.7	23,000	1,550	9.3	14,400
Charlevoix	4,400	1,700	91.8	156,000	2,500	11.3	28,200
Emmet	3,600	1,000	81.0	81,000	2,500	10.7	26,700
Grand Traverse	5,700	4,500	89.8	404,000	1,140	10.8	12,300
Kalkaska	1,600	1,330	82.7	110,000	190	8.9	1,700
Leelanau	3,500	1,470	81.0	119,000	2,000	8.9	17,700
Manistee	2,300	1,850	81.1	150,000	420	10.0	4,200
Missaukee	11,000	4,300	85.1	366,000	6,600	9.4	62,000
Wexford	3,900	3,350	76.1	255,000	470	9.6	4,500
NORTHWEST (2)	42,000	21,800	83.0	1,810,000	19,330	10.0	193,300
Alcona	2,600	1,000	83.5	83,500	1,400	8.8	12,300
Alpena	6,200	1,900	81.0	153,900	4,200	8.5	35,700
Cheboygan	1,600	680	77.5	52,700	850	10.5	8,900
Crawford	—	—	—	—	—	—	—
Iosco	6,800	4,800	78.3	375,600	1,900	12.8	24,300
Montmorency	2,000	790	89.2	70,500	1,170	7.3	8,500
Ogemaw	9,400	3,700	85.0	314,500	5,600	14.3	80,000
Oscoda	1,600	880	81.8	72,000	650	9.8	6,400
Otsego	1,860	1,310	74.8	98,000	480	7.9	3,800
Presque Isle	2,900	2,000	72.0	144,000	850	10.9	9,300
Roscommon	—	—	—	—	—	—	—
NORTHEAST (3)	35,000	17,100	80.0	1,368,000	17,100	11.1	189,200
Lake	1,100	1,000	59.0	59,000	—	—	—
Mason	10,500	6,500	85.1	553,000	3,900	13.7	53,500
Muskegon	14,800	10,700	92.0	984,000	4,000	11.4	45,500
Newaygo	20,000	15,500	88.0	1,364,000	4,300	12.9	55,500
Oceana	10,600	5,600	70.0	392,000	4,900	11.1	54,500
WEST CENTRAL (4)	57,000	39,300	85.3	3,352,000	17,100	12.2	209,000
Clare	7,700	5,700	75.1	482,000	1,900	8.7	16,500
Gladwin	9,000	7,400	81.1	600,000	1,500	12.3	18,500
Gratiot	62,000	59,100	88.9	5,254,000	2,500	16.0	40,000

CORN: Acreage, Yield, Production, 1983[1]

DISTRICT AND COUNTY	Planted All Purposes	Harvested	Grain Yield	Production	Harvested	Silage Yield	Production
	Acres			*Bushels*	*Acres*		*Tons*
Isabella	43,500	33,200	86.0	2,856,000	10,000	13.4	133,500
Mecosta	15,000	11,100	79.5	882,000	3,800	12.2	46,500
Midland	17,000	15,100	90.2	1,362,000	1,800	11.9	21,500
Montcalm	48,000	40,500	81.4	3,296,000	7,200	11.9	85,500
Osceola	7,800	3,900	75.1	293,000	3,800	11.4	43,500
CENTRAL (5)	210,000	176,000	85.1	14,971,000	32,500	12.5	405,500
Arenac	14,000	12,400	96.8	1,200,000	1,400	12.0	16,800
Bay	40,000	38,200	106.4	4,063,000	1,600	13.5	21,600
Huron	123,000	105,700	102.4	10,825,000	16,300	15.6	254,000
Saginaw	57,000	55,300	98.1	5,425,000	1,300	16.0	20,800
Sanilac	103,000	92,600	109.0	10,095,000	9,600	14.8	142,100
Tuscola	100,000	88,600	111.3	9,861,000	10,700	15.4	165,000
EAST CENTRAL (6)	437,000	392,800	105.6	41,469,000	40,900	15.2	620,300
Allegan	78,000	67,800	92.3	6,261,000	9,400	12.0	113,000
Berrien	36,000	32,400	67.0	2,171,000	3,200	10.0	32,000
Cass	75,000	69,000	71.8	4,956,000	5,400	10.6	57,000
Kalamazoo	44,000	39,300	96.1	3,778,000	4,100	12.0	49,000
Kent	48,000	41,900	71.8	3,010,000	5,500	12.5	69,000
Ottawa	47,000	40,300	90.5	3,647,000	6,100	12.8	78,000
Van Buren	38,000	34,400	64.7	2,224,000	3,100	10.0	31,000
SOUTHWEST (7)	366,000	325,100	80.1	26,047,000	36,800	11.7	429,000
Barry	35,000	25,900	89.0	2,305,000	8,800	13.2	116,000
Branch	77,000	69,700	95.1	6,628,000	6,700	13.7	92,000
Calhoun	68,000	61,900	95.1	5,887,000	5,600	14.3	80,000
Clinton	52,000	41,900	85.2	3,569,000	9,700	14.6	142,000
Eaton	57,000	49,500	91.7	4,539,000	7,100	11.7	83,000
Hillsdale	78,000	65,000	94.5	6,143,000	12,400	14.0	173,000
Ingham	61,000	55,300	85.0	4,701,000	5,100	11.8	60,000
Ionia	56,000	45,200	89.6	4,050,000	10,400	12.3	128,000
Jackson	62,000	53,600	89.9	4,816,000	8,000	12.9	103,000
St. Joseph	71,000	63,600	91.5	5,817,000	7,000	12.9	90,000
Shiawassee	40,000	34,400	85.0	2,924,000	5,200	12.1	63,000
SOUTH CENTRAL (8)	657,000	566,000	90.8	51,379,000	86,000	13.1	1,130,000
Genesee	32,000	29,400	97.9	2,879,000	2,300	11.3	26,000
Lapeer	47,000	35,600	73.8	2,627,000	11,000	11.5	127,000
Lenawee	91,000	83,200	109.6	9,118,000	7,300	15.1	110,000
Livingston	36,000	26,600	84.8	2,256,000	8,900	12.2	109,000
Macomb	15,000	13,200	93.1	1,229,000	1,600	11.3	18,000
Monroe	50,000	46,300	107.9	4,998,000	3,300	14.8	49,000
Oakland	12,000	10,300	97.2	1,001,000	1,500	8.0	12,000
St. Clair	32,000	26,300	80.8	2,125,000	5,400	11.7	63,000
Washtenaw	56,000	47,800	89.7	4,287,000	7,800	9.4	73,000
Wayne	5,000	4,600	94.8	436,000	300	10.0	3,000
SOUTHEAST (9)	376,000	323,300	95.8	30,956,000	49,400	11.9	590,000
STATE	2,200,000	1,870,000	92.0	172,040,000	310,000	12.5	3,875,000

[1] County estimates will be recomputed in early 1985 to the revised Michigan totals on page 20.

CORN: Acreage, Yield, Production, 1982[1]

DISTRICT AND COUNTY	Planted All Purposes	Harvested	Grain Yield	Production	Harvested	Silage Yield	Production
	Acres		*Bushels*		*Acres*	*Tons*	
Alger	500	130	72.3	9,400	360	10.0	3,600
Baraga	—	—	—	—	—	—	—
Chippewa	—	—	—	—	—	—	—
Delta	3,800	1,140	90.0	102,600	2,500	11.2	28,000
Dickinson	1,000	490	81.6	40,000	460	10.0	4,600
Gogebic	—	—	—	—	—	—	—
Houghton	600	300	73.3	22,000	280	13.6	3,800
Iron	—	—	—	—	—	—	—
Keweenaw	—	—	—	—	—	—	—
Luce	—	—	—	—	—	—	—
Mackinac	700	340	85.3	29,000	330	11.8	3,900
Marquette	500	120	70.8	8,500	340	10.3	3,500
Menominee	18,700	11,200	83.1	931,000	7,300	13.7	100,000
Ontonagon	—	—	—	—	—	—	—
Schoolcraft	—	—	—	—	—	—	—
UPPER PENINSULA (1)	27,000	14,100	83.0	1,171,000	12,370	12.6	156,200
Antrim	5,500	3,360	88.7	298,000	2,000	11.5	23,000
Benzie	2,500	600	90.0	54,000	1,850	10.3	19,000
Charlevoix	4,500	1,800	89.4	161,000	2,500	13.2	33,000
Emmet	5,000	1,400	82.9	116,000	3,500	11.7	41,000
Grand Traverse	7,900	6,740	90.1	607,000	1,100	11.8	13,000
Kalkaska	2,500	2,230	78.0	174,000	190	10.0	1,900
Leelanau	4,600	2,570	90.7	233,000	2,000	10.0	20,000
Manistee	2,300	1,850	90.8	168,000	420	11.0	4,600
Missaukee	16,000	7,600	90.1	685,000	8,300	10.4	86,000
Wexford	5,200	4,650	76.1	354,000	470	10.6	5,000
NORTHWEST (2)	56,000	32,800	86.9	2,850,000	22,330	11.0	246,500
Alcona	3,600	1,700	85.3	145,000	1,700	10.0	17,000
Alpena	9,000	3,800	76.1	289,000	5,100	9.8	50,000
Cheboygan	2,250	1,330	76.5	101,800	850	12.9	11,000
Crawford	—	—	—	—	—	—	—
Iosco	9,800	7,800	70.0	546,000	1,900	14.7	28,000
Montmorency	2,700	1,490	89.3	133,000	1,170	8.5	10,000
Ogemaw	13,500	7,800	80.0	624,000	5,600	15.7	88,000
Oscoda	2,300	1,380	80.4	111,000	850	11.8	10,000
Otsego	1,800	1,350	70.4	95,000	380	9.7	3,700
Presque Isle	4,000	3,100	63.2	196,000	850	14.1	12,000
Roscommon	—	—	—	—	—	—	—
NORTHEAST (3)	49,000	29,800	75.3	2,245,000	18,400	12.5	229,700
Lake	1,500	1,400	60.0	84,000	—	—	—
Mason	15,000	11,000	90.1	991,000	3,900	13.8	54,000
Muskegon	20,000	15,900	102.3	1,626,000	4,000	11.5	46,000
Newaygo	27,000	22,500	102.2	2,300,000	4,300	13.0	56,000
Oceana	13,500	8,500	80.5	684,000	4,900	11.2	55,000
WEST CENTRAL (4)	77,000	59,300	95.9	5,685,000	17,100	12.3	211,000
Clare	11,500	9,500	82.8	787,000	1,900	8.9	17,000
Gladwin	14,500	12,900	84.7	1,093,000	1,500	12.7	19,000
Gratiot	93,000	90,100	120.1	10,823,000	2,500	16.8	42,000

CORN: Acreage, Yield, Production, 1982[1]

DISTRICT AND COUNTY	Planted All Purposes	Harvested	Grain Yield	Production	Harvested	Silage Yield	Production
	Acres			*Bushels*	*Acres*		*Tons*
Isabella	60,000	49,700	90.0	4,473,000	10,000	13.5	135,000
Mecosta	22,000	18,100	86.5	1,565,000	3,800	12.4	47,000
Midland	25,500	23,600	109.2	2,576,000	1,800	12.2	22,000
Montcalm	71,000	63,500	106.4	6,754,000	7,200	11.4	82,000
Osceola	11,500	7,600	82.6	628,000	3,800	11.6	44,000
CENTRAL (5)	309,000	275,000	104.4	28,699,000	32,500	12.6	408,000
Arenac	18,000	16,400	99.0	1,623,000	1,400	12.1	17,000
Bay	44,000	42,200	114.8	4,845,000	1,600	13.8	22,000
Huron	154,000	138,700	103.1	14,304,000	14,300	15.6	223,000
Saginaw	72,000	70,300	124.0	8,717,000	1,300	16.2	21,000
Sanilac	128,000	117,600	111.6	13,128,000	9,600	15.0	144,000
Tuscola	129,000	118,600	118.0	13,995,000	9,700	15.5	150,000
EAST CENTRAL (6)	545,000	503,800	112.4	56,612,000	37,900	15.2	577,000
Allegan	107,000	96,800	116.0	11,299,000	9,400	14.0	132,000
Berrien	50,000	46,400	114.4	5,308,000	3,200	14.1	45,000
Cass	75,000	70,000	114.6	8,022,000	4,400	12.5	55,000
Kalamazoo	61,000	56,300	116.8	6,576,000	4,100	12.9	53,000
Kent	74,000	67,900	106.5	7,234,000	5,500	13.5	74,000
Ottawa	65,000	58,300	116.7	6,803,000	6,100	13.9	85,000
Van Buren	55,000	51,400	101.0	5,191,000	3,100	11.6	36,000
SOUTHWEST (7)	487,000	447,100	112.6	50,363,000	35,800	13.4	480,000
Barry	53,000	43,900	112.7	4,947,000	8,800	14.9	131,000
Branch	120,000	113,700	109.2	12,413,000	5,700	14.9	85,000
Calhoun	105,000	98,900	120.0	11,865,000	5,600	17.0	95,000
Clinton	79,000	68,900	120.0	8,268,000	9,700	16.2	157,000
Eaton	76,000	68,500	122.1	8,366,000	7,100	13.8	98,000
Hillsdale	121,000	108,800	106.7	11,606,000	11,600	14.7	170,000
Ingham	96,000	90,300	108.9	9,831,000	5,100	14.7	75,000
Ionia	85,000	74,200	121.0	8,978,000	10,400	13.8	143,000
Jackson	98,000	89,600	106.3	9,521,000	8,000	14.8	118,000
St. Joseph	110,000	102,600	104.0	10,673,000	7,000	15.0	105,000
Shiawassee	61,000	55,400	102.4	5,675,000	5,200	12.1	63,000
SOUTH CENTRAL (8)	1,004,000	914,800	111.7	102,143,000	84,200	14.7	1,240,000
Genesee	50,000	47,400	103.8	4,922,000	2,300	13.5	31,000
Lapeer	78,000	66,600	107.9	7,184,000	11,000	12.3	135,000
Lenawee	143,000	135,200	110.1	14,882,000	7,300	15.6	114,000
Livingston	61,000	51,600	110.4	5,696,000	8,900	14.8	132,000
Macomb	23,000	21,200	95.5	2,025,000	1,600	11.9	19,000
Monroe	78,000	74,300	107.1	7,955,000	3,300	15.2	50,000
Oakland	18,300	16,600	98.3	1,632,000	1,500	8.0	12,000
St. Clair	50,000	44,300	96.1	4,257,000	5,400	12.0	65,000
Washtenaw	88,000	79,800	105.6	8,423,000	7,800	9.6	75,000
Wayne	6,700	6,300	101.0	636,000	300	12.0	3,600
SOUTHEAST (9)	596,000	543,300	106.0	57,612,000	49,400	12.9	636,600
STATE	3,150,000	2,820,000	109.0	307,380,000	310,000	13.5	4,185,000

[1] County estimates will be recomputed in early 1985 to the revised Michigan totals on page 20.

WHEAT: Acreage, Yield, Production, 1982-83[1]

DISTRICT AND COUNTY	1983				1982			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		*Bushels*		*Acres*		*Bushels*	
Alger	—	—	—	—	—	—	—	—
Baraga	50	50	32.0	1,600	120	110	33.6	3,700
Chippewa	500	470	32.8	15,400	600	570	34.9	19,900
Delta	200	190	30.5	5,800	160	150	32.7	4,900
Dickinson	—	—	—	—	—	—	—	—
Gogebic	—	—	—	—	—	—	—	—
Houghton	—	—	—	—	—	—	—	—
Iron	200	190	34.2	6,500	200	190	36.3	6,900
Keweenaw	—	—	—	—	—	—	—	—
Luce	—	—	—	—	—	—	—	—
Mackinac	200	190	33.7	6,400	200	190	35.8	6,800
Marquette	—	—	—	—	—	—	—	—
Menominee	300	270	32.6	8,800	400	390	34.9	13,600
Ontonagon	50	50	32.0	1,600	100	90	34.4	3,100
Schoolcraft	180	170	31.2	5,300	100	90	33.3	3,000
UPPER PENINSULA (1)	1,700	1,600	32.5	52,000	1,900	1,800	34.7	62,500
Antrim	1,450	1,350	35.0	47,300	1,450	1,400	33.0	46,200
Benzie	50	50	28.0	1,400	50	50	32.0	1,600
Charlevoix	300	270	35.9	9,700	350	340	30.0	10,200
Emmet	200	180	33.9	6,100	250	240	27.9	6,700
Grand Traverse	1,600	1,450	35.0	50,700	1,800	1,750	34.1	59,600
Kalkaska	900	800	29.5	23,600	1,150	1,100	28.0	30,800
Leelanau	400	350	29.4	10,300	500	490	30.0	14,700
Manistee	600	550	26.9	14,800	700	680	31.9	21,700
Missaukee	900	800	33.1	26,500	1,300	1,250	38.0	47,500
Wexford	1,100	1,000	34.6	34,600	1,450	1,400	35.4	49,500
NORTHWEST (2)	7,500	6,800	33.1	225,000	9,000	8,700	33.2	288,500
Alcona	1,300	1,200	38.0	45,600	1,500	1,450	48.0	69,600
Alpena	4,000	3,700	35.9	133,000	4,800	4,700	50.0	235,000
Cheboygan	800	750	35.2	26,400	1,200	1,150	38.0	43,700
Crawford	—	—	—	—	—	—	—	—
Iosco	2,200	2,060	46.0	94,700	2,200	2,100	45.0	94,500
Montmorency	1,200	1,100	35.5	39,000	1,200	1,150	43.0	49,500
Ogemaw	1,700	1,600	37.2	59,500	1,600	1,500	48.2	72,300
Oscoda	100	90	33.3	3,000	150	150	46.0	6,900
Otsego	850	750	34.5	25,900	950	900	40.0	36,000
Presque Isle	1,900	1,800	38.9	70,000	2,600	2,500	40.8	102,000
Roscommon	50	50	38.0	1,900	100	100	45.0	4,500
NORTHEAST (3)	14,100	13,100	38.1	499,000	16,300	15,700	45.5	714,000
Lake	300	250	38.0	9,500	500	480	41.7	20,000
Mason	4,600	4,100	44.8	183,500	6,050	5,950	42.9	255,000
Muskegon	2,300	1,850	48.5	89,700	2,800	2,750	38.9	107,000
Newaygo	2,400	2,100	41.0	86,100	2,800	2,750	42.5	117,000
Oceana	2,600	2,200	39.2	86,200	3,350	3,270	42.8	140,000
WEST CENTRAL (4)	12,200	10,500	43.3	455,000	15,500	15,200	42.0	639,000
Clare	3,300	3,000	37.0	111,000	3,200	3,150	40.0	126,000
Gladwin	5,800	4,900	42.4	208,000	4,700	4,600	47.0	216,000
Gratiot	25,500	20,500	50.2	1,030,000	24,500	22,000	51.7	1,138,000

WHEAT: Acreage, Yield, Production, 1982-83[1]

DISTRICT AND COUNTY	1983				1982			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		*Bushels*		*Acres*		*Bushels*	
Isabella	21,000	19,200	43.1	828,000	14,100	12,900	39.0	503,000
Mecosta	5,000	4,000	41.8	167,000	5,600	5,500	38.0	209,000
Midland	7,700	6,900	54.6	377,000	6,200	6,050	42.6	258,000
Montcalm	24,000	20,000	42.3	845,000	24,200	21,200	39.4	835,000
Osceola	1,700	1,500	46.0	69,000	1,900	1,700	42.9	73,000
CENTRAL (5)	94,000	80,000	45.4	3,635,000	84,400	77,100	43.6	3,358,000
Arenac	6,600	6,000	47.8	287,000	4,300	3,900	48.7	190,000
Bay	14,400	13,000	50.8	660,000	8,500	7,900	49.0	387,000
HELP								
Huron	55,000	50,500	58.5	2,956,000	33,000	22,000	43.2	951,000
Saginaw	37,000	34,000	59.2	2,014,000	29,500	24,000	50.5	1,213,000
Sanilac	48,000	43,000	52.0	2,234,000	22,500	17,000	36.7	624,000
Tuscola	54,000	47,500	62.5	2,971,000	38,200	28,100	45.2	1,269,000
EAST CENTRAL (6)	215,000	194,000	57.3	11,122,000	136,000	102,900	45.0	4,634,000
Allegan	10,200	9,000	39.2	353,000	11,600	11,400	39.6	452,000
Berrien	8,100	7,300	39.6	289,000	8,400	8,200	37.6	308,000
Cass	10,600	9,500	42.0	399,000	11,500	11,300	36.5	412,000
Kalamazoo	17,300	16,000	47.4	758,000	19,300	19,000	43.2	820,000
Kent	11,700	8,900	44.6	397,000	11,300	10,500	36.9	387,000
Ottawa	7,100	6,500	42.9	279,000	6,900	6,300	39.5	249,000
Van Buren	4,500	3,800	43.7	166,000	5,100	5,000	36.0	180,000
SOUTHWEST (7)	69,500	61,000	43.3	2,641,000	74,100	71,700	39.2	2,808,000
Barry	14,000	11,200	40.4	453,000	12,500	12,000	42.2	506,000
Branch	19,000	17,500	43.3	758,000	21,000	20,500	39.7	813,000
Calhoun	26,000	23,800	44.1	1,049,000	25,500	25,000	39.0	975,000
Clinton	30,000	25,300	49.3	1,248,000	30,000	25,000	37.4	936,000
Eaton	32,000	26,300	53.8	1,415,000	28,000	27,500	47.1	1,296,000
Hillsdale	18,000	16,400	45.2	741,000	16,500	14,500	37.9	550,000
Ingham	21,000	19,100	50.2	958,000	22,500	20,500	40.5	831,000
Ionia	34,000	29,400	49.8	1,465,000	32,000	30,500	36.0	1,097,000
Jackson	15,000	13,800	43.5	600,000	14,200	12,500	40.6	507,000
St. Joseph	15,000	12,600	44.0	555,000	19,500	16,000	35.6	569,000
Shiawassee	32,000	27,600	46.9	1,295,000	23,100	18,000	38.4	691,000
SOUTH CENTRAL (8)	256,000	223,000	47.3	10,537,000	244,800	222,000	39.5	8,771,000
Genesee	16,000	14,000	44.7	626,000	8,600	5,900	39.2	231,000
Lapeer	17,000	12,700	54.3	690,000	11,600	9,100	44.2	402,000
Lenawee	46,500	42,700	50.1	2,141,000	36,800	28,500	41.3	1,178,000
Livingston	8,300	7,300	45.3	331,000	7,700	7,300	34.2	250,000
Macomb	5,700	5,300	43.0	228,000	2,900	2,300	33.5	77,000
Monroe	25,500	23,300	47.4	1,104,000	17,000	7,000	35.3	247,000
Oakland	3,300	3,100	47.4	147,000	3,300	3,200	30.6	98,000
St. Clair	16,000	14,700	42.8	629,000	3,800	3,200	35.3	113,000
Washtenaw	19,400	14,800	42.0	621,000	19,000	16,300	40.2	655,000
Wayne	2,300	2,100	41.4	87,000	2,300	2,100	35.2	74,000
SOUTHEAST (9)	160,000	140,000	47.2	6,604,000	113,000	84,900	39.2	3,325 000
STATE	830,000	730,000	49.0	35,770,000	695,000	600,000	41.0	24,600,000

[1] County estimates will be recomputed in early 1985 to the revised Michigan totals on page 20

SOYBEANS: Acreage, Yield, Production, 1982-83[1]

DISTRICT AND COUNTY	1983				1982			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		*Bushels*		*Acres*		*Bushels*	
Alger	—	—	—	—	—	—	—	—
Baraga	—	—	—	—	—	—	—	—
Chippewa	—	—	—	—	—	—	—	—
Delta	300	300	28.7	8,600	300	290	28.6	8,300
Dickinson	—	—	—	—	—	—	—	—
Gogebic	—	—	—	—	—	—	—	—
Houghton	—	—	—	—	—	—	—	—
Iron	—	—	—	—	—	—	—	—
Keweenaw	—	—	—	—	—	—	—	—
Luce	—	—	—	—	—	—	—	—
Mackinac	—	—	—	—	—	—	—	—
Marquette	—	—	—	—	—	—	—	—
Menominee	100	100	26.0	2,600	100	100	26.0	2,600
Ontonagon	—	—	—	—	—	—	—	—
Schoolcraft	60	50	26.4	1,320	60	60	26.0	1,560
UPPER PENINSULA (1)	500	490	27.8	13,600	500	490	27.6	13,500
Antrim	—	—	—	—	—	—	—	—
Benzie	—	—	—	—	—	—	—	—
Charlevoix	—	—	—	—	—	—	—	—
Emmet	—	—	—	—	—	—	—	—
Grand Traverse	70	70	28.6	2,000	80	80	27.5	2,200
Kalkaska	100	90	27.8	2,500	120	110	27.3	3,000
Leelanau	—	—	—	—	—	—	—	—
Manistee	260	230	28.3	6,500	280	270	28.1	7,600
Missaukee	—	—	—	—	—	—	—	—
Wexford	50	50	28.0	1,400	50	50	28.0	1,400
NORTHWEST (2)	550	510	28.2	14,400	600	580	27.9	16,200
Alcona	—	—	—	—	—	—	—	—
Alpena	70	70	28.6	2,000	100	100	27.0	2,700
Cheboygan	130	130	27.7	3,600	150	140	27.1	3,800
Crawford	—	—	—	—	—	—	—	—
Iosco	330	310	27.5	8,540	400	390	27.4	10,700
Montmorency	—	—	—	—	—	—	—	—
Ogemaw	380	360	27.6	9,940	400	390	27.4	10,700
Oscoda	—	—	—	—	—	—	—	—
Otsego	—	—	—	—	—	—	—	—
Presque Isle	200	190	28.9	5,500	—	—	—	—
Roscommon	—	—	—	—	—	—	—	—
NORTHEAST (3)	1,150	1,100	27.9	30,700	1,100	1,070	27.4	29,300
Lake	—	—	—	—	—	—	—	—
Mason	300	250	26.4	6,600	220	210	26.2	5,500
Muskegon	400	350	28.6	10,000	400	370	26.5	9,800
Newaygo	50	50	26.0	1,300	100	100	26.0	2,600
Oceana	50	50	28.0	1,400	80	80	26.3	2,100
WEST CENTRAL (4)	800	700	27.6	19,300	800	760	26.3	20,000
Clare	100	100	32.0	3,200	200	180	30.6	5,500
Gladwin	1,700	1,640	31.9	52,300	1,800	1,740	29.9	52,000
Gratiot	62,000	61,000	33.4	2,037,000	66,000	65,600	32.0	2,099,000

SOYBEANS: Acreage, Yield, Production, 1982-83[1]

DISTRICT AND COUNTY	1983				1982			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		*Bushels*		*Acres*		*Bushels*	
Isabella	12,000	11,900	28.7	342,000	10,900	10,800	27.3	295,000
Mecosta	200	180	34.4	6,200	200	190	31.6	6,000
Midland	17,500	17,400	31.0	540,000	16,000	15,900	28.9	460,000
Montcalm	7,500	7,400	32.3	239,000	9,000	8,900	31.0	276,000
Osceola	200	180	29.4	5,300	200	190	28.9	5,500
CENTRAL (5)	101,200	99,800	32.3	3,225,000	104,300	103,500	30.9	3,199,000
Arenac	7,300	7,200	30.7	221,000	8,000	7,900	29.0	229,000
Bay	21,000	20,900	32.1	671,000	17,000	16,800	28.6	480,000
Huron	5,200	5,100	31.4	160,000	4,000	3,900	29.7	116,000
Saginaw	115,000	114,000	34.6	3,950,000	118,000	117,000	32.4	3,791,000
Sanilac	32,000	31,800	32.6	1,038,000	36,000	34,700	28.9	1,003,000
Tuscola	25,000	24,900	34.3	854,000	18,000	17,700	32.0	566,000
EAST CENTRAL (6)	205,500	203,900	33.8	6,894,000	201,000	198,000	31.2	6,185,000
Allegan	6,500	6,360	29.6	188,000	6,000	5,900	33.1	195,000
Berrien	19,100	18,900	28.5	539,000	20,000	19,800	33.5	663,000
Cass	21,000	20,800	28.0	582,000	22,100	22,000	31.0	683,000
Kalamazoo	18,100	17,900	29.0	519,000	21,800	21,600	32.1	693,000
Kent	2,200	2,150	30.2	65,000	2,400	2,350	34.0	80,000
Ottawa	900	890	28.1	25,000	1,100	1,050	31.4	33,000
Van Buren	8,500	8,400	28.0	235,000	9,700	9,300	28.0	260,000
SOUTHWEST (7)	76,300	75,400	28.6	2,153,000	83,100	82,000	31.8	2,607,000
Barry	8,300	8,200	31.7	260,000	8,000	7,900	30.1	238,000
Branch	34,000	33,700	32.5	1,095,000	44,000	43,700	30.0	1,311,000
Calhoun	17,000	16,800	29.9	502,000	21,500	21,300	30.0	639,000
Clinton	45,000	44,600	33.2	1,481,000	50,000	49,600	32.2	1,597,000
Eaton	22,000	21,800	33.2	724,000	21,000	20,800	32.8	682,000
Hillsdale	34,000	33,700	31.0	1,045,000	36,000	35,800	30.0	1,074,000
Ingham	19,000	18,800	31.5	592,000	26,000	25,800	30.7	792,000
Ionia	20,000	19,800	34.0	673,000	21,500	21,300	32.5	692,000
Jackson	4,200	4,100	30.0	123,000	5,000	4,900	28.6	140,000
St. Joseph	28,000	27,700	30.0	831,000	35,500	35,300	30.0	1,059,000
Shiawassee	60,000	59,500	32.6	1,940,000	66,100	65,600	31.7	2,082,000
SOUTH CENTRAL (8)	291,500	288,700	32.1	9,266,000	334,600	332,000	31.0	10,306,000
Genesee	26,000	25,700	32.5	835,000	33,000	32,900	31.2	1,025,000
Lapeer	8,000	7,900	32.0	253,000	8,600	8,460	31.0	262,000
Lenawee	92,500	91,500	35.8	3,272,000	110,000	109,000	33.0	3,597,000
Livingston	3,100	3,000	33.0	99,000	2,800	2,750	32.0	88,000
Macomb	15,500	15,300	29.0	444,000	18,500	18,400	27.1	498,000
Monroe	80,000	79,200	33.5	2,657,000	90,000	89,600	30.7	2,751,000
Oakland	400	400	32.5	13,000	700	690	30.4	21,000
St. Clair	26,500	26,200	29.0	760,000	38,400	38,000	27.0	1,026,000
Washtenaw	15,500	15,300	30.3	463,000	17,000	16,900	27.3	462,000
Wayne	5,000	4,900	28.2	138,000	5,000	4,900	27.3	134,000
SOUTHEAST (9)	272,500	269,400	33.2	8,934,000	324,000	321,600	30.7	9,864,000
STATE	950,000	940,000	32.5	30,550,000	1,050,000	1,040,000	31.0	32,240,000

[1] County estimates will be recomputed in early 1985 to the revised Michigan totals on page 20

OATS: Acreage, Yield, Production, 1982-83

DISTRICT AND COUNTY	1983				1982			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		*Bushels*		*Acres*		*Bushels*	
Alger	400	300	36.7	11,000	500	470	42.6	20,000
Baraga	600	500	38.0	19,000	700	500	42.0	21,000
Chippewa	6,800	5,800	39.1	227,000	7,500	7,300	44.4	324,000
Delta	4,400	3,700	44.1	163,000	4,800	4,500	50.7	228,000
Dickinson	1,100	800	40.0	32,000	1,300	1,200	45.0	54,000
Gogebic	200	150	40.0	6,000	200	170	47.1	8,000
Houghton	2,200	1,800	38.3	69,000	2,400	2,200	42.7	94,000
Iron	1,700	1,400	40.0	56,000	1,800	1,750	44.0	77,000
Keweenaw	—	—	—	—	—	—	—	—
Luce	200	150	40.0	6,000	300	290	48.3	14,000
Mackinac	1,900	1,500	40.0	60,000	2,300	2,000	45.0	90,000
Marquette	1,200	1,000	38.0	38,000	1,400	1,300	30.0	39,000
Menominee	6,700	5,700	39.3	224,000	7,300	7,000	43.4	304,000
Ontonagon	2,000	1,700	35.3	60,000	2,200	2,150	40.5	87,000
Schoolcraft	600	500	36.0	18,000	700	670	40.3	27,000
UPPER PENINSULA (1)	30,000	25,000	39.6	989,000	33,400	31,500	44.0	1,387,000
Antrim	1,200	900	28.9	26,000	1,200	1,120	42.9	48,000
Benzie	100	70	28.6	2,000	100	100	40.0	4,000
Charlevoix	1,000	700	35.7	25,000	1,100	1,050	40.0	42,000
Emmet	2,200	1,700	27.6	47,000	2,400	2,350	43.0	101,000
Grand Traverse	1,700	1,300	34.6	45,000	1,700	1,650	50.9	84,000
Kalkaska	400	300	26.7	8,000	400	390	46.2	18,000
Leelanau	1,000	730	34.2	25,000	1,100	1,050	47.6	50,000
Manistee	700	600	30.0	18,000	700	690	42.0	29,000
Missaukee	7,100	5,500	38.7	213,000	7,300	6,900	54.1	373,000
Wexford	1,600	1,200	29.2	35,000	1,500	1,400	45.0	63,000
NORTHWEST (2)	17,000	13,000	34.2	444,000	17,500	16,700	48.6	812,000
Alcona	2,200	1,900	35.8	68,000	2,200	2,150	54.9	118,000
Alpena	11,000	8,900	39.1	348,000	11,300	10,300	47.0	484,000
Cheboygan	2,500	1,800	29.4	53,000	2,600	2,540	44.1	112,000
Crawford	100	80	37.5	3,000	150	140	42.9	6,000
Iosco	2,800	2,300	49.1	113,000	2,800	2,700	58.9	159,000
Montmorency	2,500	2,100	29.5	62,000	2,400	2,300	46.5	107,000
Ogemaw	5,200	4,200	38.1	160,000	5,300	5,100	56.9	290,000
Oscoda	300	250	36.0	9,000	300	290	48.3	14,000
Otsego	2,300	1,900	32.1	61,000	2,400	2,340	51.3	120,000
Presque Isle	8,900	7,400	36.2	268,000	9,000	8,800	59.7	525,000
Roscommon	200	170	35.3	6,000	150	140	50.0	7,000
NORTHEAST (3)	38,000	31,000	37.1	1,151,000	38,600	36,800	52.8	1,942,000
Lake	600	400	45.0	18,000	600	550	54.5	30,000
Mason	3,300	2,500	50.0	125,000	3,600	3,550	57.2	203,000
Muskegon	1,800	1,100	43.6	48,000	1,900	1,800	49.4	89,000
Newaygo	4,000	3,000	51.7	155,000	4,500	4,200	55.2	232,000
Oceana	1,300	1,000	47.0	47,000	1,300	1,000	55.0	55,000
WEST CENTRAL (4)	11,000	8,000	49.1	393,000	11,900	11,100	54.9	609,000
Clare	2,100	1,400	47.9	67,000	2,500	2,200	59.1	130,000
Gladwin	3,700	2,600	46.2	120,000	4,100	3,700	57.0	211,000
Gratiot	11,500	7,500	64.1	481,000	13,000	12,300	65.0	800,000

OATS: Acreage, Yield, Production, 1982-83

DISTRICT AND COUNTY	1983				1982			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		*Bushels*		*Acres*		*Bushels*	
Isabella	9,500	6,800	42.5	289,000	9,500	9,300	54.3	505,000
Mecosta	3,600	2,300	43.0	99,000	3,700	3,400	60.9	207,000
Midland	2,500	1,500	53.3	80,000	2,900	2,600	58.8	153,000
Montcalm	10,000	6,500	46.0	299,000	11,000	10,000	61.0	610,000
Osceola	5,100	3,400	42.6	145,000	5,500	5,200	60.0	312,000
CENTRAL (5)	48,000	32,000	49.4	1,580,000	52,200	48,700	60.1	2,928,000
Arenac	4,800	3,000	54.0	162,000	4,500	4,400	60.9	268,000
Bay	1,900	1,200	67.5	81,000	1,800	1,700	70.6	120,000
Huron	28,500	19,000	67.2	1,277,000	26,000	25,000	80.5	2,013,000
Saginaw	9,300	5,800	66.6	386,000	9,000	8,800	76.3	671,000
Sanilac	43,000	28,000	65.0	1,821,000	41,000	40,000	75.3	3,011,000
Tuscola	16,500	10,000	62.4	624,000	16,000	15,200	77.0	1,170,000
EAST CENTRAL (6)	104,000	67,000	64.9	4,351,000	98,300	95,100	76.3	7,253,000
Allegan	7,900	5,000	49.2	246,000	8,200	8,000	56.6	453,000
Berrien	2,200	1,500	48.0	72,000	2,400	2,300	50.0	115,000
Cass	3,200	2,300	47.8	110,000	3,300	3,000	61.7	185,000
Kalamazoo	5,600	3,500	49.4	173,000	6,000	5,600	58.0	325,000
Kent	10,400	6,400	50.2	321,000	11,000	10,100	46.7	472,000
Ottawa	7,700	4,400	51.1	225,000	8,000	7,500	65.9	494,000
Van Buren	3,000	1,900	44.2	84,000	3,100	2,900	51.0	148,000
SOUTHWEST (7)	40,000	25,000	49.2	1,231,000	42,000	39,400	55.6	2,192,000
Barry	4,800	2,900	52.8	153,000	5,600	5,100	57.8	295,000
Branch	5,300	3,300	45.2	149,000	6,000	5,900	65.1	384,000
Calhoun	10,500	5,700	52.3	298,000	12,400	12,000	50.0	600,000
Clinton	11,000	5,700	53.9	307,000	13,000	12,200	68.2	832,000
Eaton	4,600	3,000	58.7	176,000	5,500	5,400	70.0	378,000
Hillsdale	7,600	4,600	47.4	218,000	8,500	7,600	72.0	547,000
Ingham	7,400	4,800	57.5	276,000	8,500	7,600	70.0	532,000
Ionia	11,000	5,700	51.8	295,000	12,500	11,800	64.3	759,000
Jackson	6,900	4,400	48.9	215,000	8,000	7,800	63.1	492,000
St. Joseph	2,900	1,500	43.3	65,000	3,500	3,400	59.1	201,000
Shiawassee	18,000	11,400	57.6	657,000	21,000	20,300	70.3	1,427,000
SOUTH CENTRAL (8)	90,000	53,000	53.0	2,809,000	104,800	99,100	65.1	6,447,000
Genesee	9,900	6,800	59.0	401,000	11,000	10,300	68.5	706,000
Lapeer	10,500	7,300	62.2	454,000	11,000	10,300	70.0	721,000
Lenawee	8,500	5,300	63.8	338,000	9,000	8,300	75.4	626,000
Livingston	5,200	3,500	52.3	183,000	5,500	5,000	60.6	303,000
Macomb	4,400	2,500	59.6	149,000	4,600	4,200	64.0	269,000
Monroe	5,800	3,900	59.5	232,000	6,100	5,900	70.2	414,000
Oakland	1,700	900	48.9	44,000	1,900	1,810	64.1	116,000
St. Clair	10,500	6,200	57.7	358,000	10,900	10,500	65.2	685,000
Washtenaw	15,200	9,400	51.4	483,000	16,000	15,000	61.4	921,000
Wayne	300	200	50.0	10,000	300	290	65.5	19,000
SOUTHEAST (9)	72,000	46,000	57.7	2,652,000	76,300	71,600	66.8	4,780,000
STATE	450,000	300,000	52.0	15,600,000	475,000	450,000	63.0	28,350,000

DRY BEANS: Acreage, Yield, Production, 1982-83

DISTRICT AND COUNTY	1983				1982			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		*Pounds*	*Cwt.*	*Acres*		*Pounds*	*Cwt.*
UPPER PENINSULA (1)	1,800	1,700	1,000	17,000	1,800	1,500	1,170	17,500
NORTHWEST (2)	1,800	1,600	1,000	16,000	2,100	2,000	1,070	21,400
NORTHEAST (3)	9,400	8,540	970	82,900	10,000	9,150	1,200	109,600
WEST CENTRAL (4)	500	460	1,200	5,500	600	550	1,360	7,500
Clare	—	—	—	—	—	—	—	—
Gladwin	2,500	2,250	1,200	27,000	4,000	3,800	1,290	49,000
Gratiot	30,000	29,300	1,300	381,000	53,000	52,000	1,500	780,000
Isabella	12,000	11,900	1,150	137,000	16,000	15,700	1,350	212,000
Mecosta	2,300	2,200	1,180	26,000	3,000	2,800	1,220	34,200
Midland	13,000	12,950	1,330	172,000	22,000	21,700	1,300	282,000
Montcalm	19,000	18,100	1,170	212,000	28,000	27,700	1,480	410,000
Osceola	—	—	—	—	—	—	—	—
CENTRAL (5)	78,900	76,800	1,250	956,800	126,300	124,000	1,430	1,771,000
Arenac	9,000	8,400	1,200	101,000	15,000	14,700	1,320	194,000
Bay	28,000	27,200	1,350	367,000	42,000	41,200	1,370	564,000
Huron	65,000	63,700	1,280	814,000	100,000	99,000	1,460	1,450,000
Saginaw	23,000	22,500	1,340	302,000	44,000	43,500	1,540	668,000
Sanilac	24,000	23,000	1,250	288,000	52,000	51,300	1,320	678,000
Tuscola	61,000	59,700	1,450	864,000	76,000	75,000	1,560	1,170,000
EAST CENTRAL (6)	210,000	204,500	1,340	2,736,000	329,000	324,700	1,450	4,724,000
Allegan	200	180	1,170	2,100	200	190	1,210	2,300
Berrien	200	180	1,170	2,100	200	190	1,320	2,500
Cass	—	—	—	—	—	—	—	—
Kalamazoo	—	—	—	—	—	—	—	—
Kent	1,500	1,450	1,150	16,700	1,500	1,440	1,400	20,200
Ottawa	150	140	1,140	1,600	300	280	1,320	3,700
Van Buren	—	—	—	—	—	—	—	—
SOUTHWEST (7)	2,100	2,000	1,160	23,100	2,300	2,200	1,360	30,000
Barry	1,600	1,540	1,300	20,000	2,000	1,950	1,290	25,100
Branch	—	—	—	—	—	—	—	—
Calhoun	200	180	1,280	2,300	300	270	1,260	3,400
Clinton	9,000	8,850	1,300	115,000	10,000	9,500	1,710	162,000
Eaton	15,000	14,700	1,300	191,000	26,000	25,670	1,570	403,000
Hillsdale	—	—	—	—	—	—	—	—
Ingham	2,200	2,150	1,280	27,500	2,500	2,450	1,470	36,000
Ionia	10,000	9,900	1,350	134,000	17,000	16,800	1,500	252,000
Jackson	150	140	1,290	1,800	300	270	1,440	3,900
St. Joseph	—	—	—	—	—	—	—	—
Shiawassee	5,800	5,700	1,300	74,100	7,000	6,800	1,540	105,000
SOUTH CENTRAL (8)	44,100	43,300	1,310	567,500	65,300	63,900	1,550	993,000
Genesee	500	480	1,440	6,900	1,000	960	1,350	13,000
Lapeer	6,000	5,900	1,350	79,600	12,000	11,800	1,390	164,000
Lenawee	350	340	1,320	4,500	400	380	1,200	4,550
Livingston	300	290	1,310	3,800	300	290	1,170	3,400
Macomb	1,300	1,250	1,300	16,200	1,500	1,460	1,530	22,400
St. Clair	2,800	2,700	1,200	32,400	5,950	5,700	1,320	75,500
SOUTHEAST (9)	11,400	11,100	1,310	145,200	22,600	22,000	1,370	301,000
STATE	360,000	350,000	1,300	4,550,000	560,000	550,000	1,450	7,975,000

SUGARBEETS: Acreage, Yield, Production, 1982-83

DISTRICT AND COUNTY	1983				1982			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		*Tons*		*Acres*		*Tons*	
UPPER PENINSULA (1)	—	—	—	—	—	—	—	—
NORTHWEST (2)	—	—	—	—	—	—	—	—
NORTHEAST (3)	—	—	—	—	—	—	—	—
WEST CENTRAL (4)	—	—	—	—	—	—	—	—
Clare	—	—	—	—	—	—	—	—
Gladwin	540	500	16.8	8,400	500	490	16.3	8,000
Gratiot	5,000	4,980	21.3	106,000	5,600	5,500	18.0	99,000
Midland	3,000	2,800	13.9	38,900	2,300	2,260	16.0	36,200
Montcalm	—	—	—	—	—	—	—	—
Osceola	—	—	—	—	—	—	—	—
CENTRAL (5)	8,620	8,360	18.5	154,300	8,470	8,310	17.4	144,200
Arenac	2,200	2,060	16.0	33,000	2,150	2,070	17.9	37,000
Bay	17,500	17,000	18.0	306,000	17,200	17,000	18.6	316,000
Huron	21,300	21,000	20.8	437,000	21,700	21,650	19.5	423,000
Saginaw	14,700	14,450	19.0	274,000	13,100	12,900	20.0	258,000
Sanilac	11,600	11,550	18.0	208,000	10,100	10,050	18.5	186,000
Tuscola	24,100	23,900	19.7	471,000	23,500	23,400	19.8	464,000
EAST CENTRAL (6)	91,400	89,960	19.2	1,729,000	87,750	87,070	19.3	1,684,000
SOUTHWEST (7)	—	—	—	—	—	—	—	—
Barry	—	—	—	—	—	—	—	—
Branch	—	—	—	—	—	—	—	—
Calhoun	—	—	—	—	—	—	—	—
Clinton	—	—	—	—	—	—	—	—
Eaton	—	—	—	—	—	—	—	—
Ingham	—	—	—	—	—	—	—	—
Ionia	—	—	—	—	—	—	—	—
Jackson	—	—	—	—	—	—	—	—
St. Joseph	—	—	—	—	—	—	—	—
Shiawassee	—	—	—	—	—	—	—	—
SOUTH CENTRAL (8)	270	260	16.5	4,300	260	250	20.4	5,100
Genesee	—	—	—	—	—	—	—	—
Lapeer	—	—	—	—	—	—	—	—
Lenawee	2,850	2,720	16.0	43,500	—	—	—	—
Linvingston	—	—	—	—	—	—	—	—
Macomb	—	—	—	—	—	—	—	—
Monroe	1,920	1,770	14.8	26,200	—	—	—	—
Oakland	—	—	—	—	—	—	—	—
St. Clair	820	820	19.6	16,100	900	750	23.5	17,600
SOUTHEAST (9)	5,710	5,420	16.3	88,400	1,020	870	22.6	19,700
STATE	106,000	104,000	19.0	1,976,000	97,500	96,500	19.2	1,853,000

BARLEY: Acreage, Yield, Production, 1982-83[1]

DISTRICT AND COUNTY	1983				1982			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		*Bushels*		*Acres*		*Bushels*	
Alger	660	630	46.0	29,000	600	580	50.5	29,300
Baraga	160	150	40.0	6,000	300	280	44.6	12,500
Chippewa	300	280	39.3	11,000	450	430	43.7	18,800
Delta	2,150	2,050	44.4	91,000	2,500	2,400	46.4	111,400
Dickinson	650	620	43.5	27,000	400	390	47.4	18,500
Gogebic	—	—	—	—	—	—	—	—
Houghton	100	90	41.1	3,700	150	140	50.7	7,100
Iron	90	80	41.3	3,300	150	140	45.0	6,300
Keweenaw	—	—	—	—	—	—	—	—
Luce	80	80	41.3	3,300	150	140	45.7	6,400
Mackinac	450	430	39.5	17,000	640	600	43.5	26,100
Marquette	700	670	42.5	28,500	550	530	46.0	24,400
Menominee	3,000	2,800	46.1	129,000	3,300	3,100	51.6	160,000
Ontonagon	200	190	41.1	7,800	150	140	45.0	6,300
Schoolcraft	550	520	42.3	22,000	650	620	46.3	28,700
UPPER PENINSULA (1)	9,100	8,600	44.1	379,000	10,000	9,500	48.0	456,300
Antrim	100	90	38.9	3,500	100	90	48.9	4,400
Benzie	—	—	—	—	—	—	—	—
Charlevoix	350	310	35.5	11,000	550	520	44.4	23,100
Emmet	160	150	37.3	5,600	250	230	45.2	10,400
Grand Traverse	—	—	—	—	160	150	46.0	6,900
Kalkaska	—	—	—	—	—	—	—	—
Leelanau	—	—	—	—	—	50	50.0	2,500
Manistee	270	240	37.5	9,000	100	90	45.6	4,100
Missaukee	190	180	38.3	6,900	200	190	46.3	8,800
Wexford	—	—	—	—	80	70	45.7	3,200
NORTHWEST (2)	1,200	1,100	37.2	40,900	1,500	1,400	45.6	63,900
Alcona	400	390	33.3	13,000	360	330	48.8	16,100
Alpena	740	700	35.7	25,000	600	570	51.6	29,400
Cheboygan	720	680	33.8	23,000	760	720	50.4	36,300
Crawford	—	—	—	—	—	—	—	—
Iosco	200	190	37.9	7,200	140	130	50.8	6,600
Montmorency	330	310	35.5	11,000	350	330	50.3	16,600
Ogemaw	600	580	40.3	23,400	410	390	53.8	21,000
Oscoda	100	90	34.4	3,100	—	—	—	—
Otsego	200	190	35.3	6,700	150	140	50.7	7,100
Presque Isle	710	670	35.8	24,000	460	430	52.1	22,400
Roscommon	—	—	—	—	—	—	—	—
NORTHEAST (3)	4,000	3,800	35.9	136,400	3,300	3,100	51.1	158,500
Lake	—	—	—	—	—	—	—	—
Mason	190	180	37.8	6,800	350	330	46.4	15,300
Muskegon	90	80	37.5	3,000	100	90	51.1	4,600
Newaygo	150	140	38.6	5,400	300	280	47.1	13,200
Oceana	60	60	38.3	2,300	130	120	46.7	5,600
WEST CENTRAL (4)	500	470	38.1	17,900	900	840	47.3	39,700
Clare	400	380	44.7	17,000	330	310	49.0	15,200
Gladwin	290	270	47.4	12,800	270	260	53.1	13,800
Gratiot	130	120	45.0	5,400	100	90	50.0	4,500

BARLEY: Acreage, Yield, Production, 1982-83[1]

DISTRICT AND COUNTY	1983				1982			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		*Bushels*		*Acres*		*Bushels*	
Isabella	850	800	46.8	37,400	850	800	52.0	41,600
Mecosta	440	400	45.0	18,000	800	750	49.9	37,400
Midland	80	80	45.0	3,600	50	50	50.0	2,500
Montcalm	600	570	45.8	26,100	400	370	51.1	18,900
Osceola	610	580	44.8	26,000	400	370	49.5	18,300
CENTRAL (5)	3,400	3,200	45.7	146,300	3,200	3,000	50.7	152,200
Arenac	160	150	48.7	7,300	50	50	62.0	3,100
Bay	240	230	47.8	11,000	100	90	61.1	5,500
Huron	5,400	5,100	57.5	293,000	5,400	5,100	72.0	367,400
Saginaw	500	470	49.4	23,200	550	520	60.6	31,500
Sanilac	2,550	2,450	57.1	140,000	3,000	2,900	62.3	180,600
Tuscola	2,850	2,700	52.6	142,000	4,700	4,500	65.6	295,300
EAST CENTRAL (6)	11,700	11,100	55.5	616,500	13,800	13,160	67.1	883,400
Allegan	270	250	31.2	7,800	330	310	51.9	16,100
Berrien	—	—	—	—	100	90	48.9	4,400
Cass	240	220	28.2	6,200	250	230	49.1	11,300
Kalamazoo	90	80	28.8	2,300	100	90	48.9	4,400
Kent	570	540	32.6	17,600	250	230	50.0	11,500
Ottawa	160	150	32.0	4,800	60	60	50.0	3,000
Van Buren	230	220	31.4	6,900	210	190	52.1	9,900
SOUTHWEST (7)	1,600	1,500	31.1	46,700	1,300	1,200	50.5	60,600
Barry	280	250	39.2	9,800	220	210	51.9	10,900
Branch	—	—	—	—	50	50	50.0	2,500
Calhoun	80	80	37.5	3,000	110	100	46.0	4,600
Clinton	210	200	46.0	9,200	400	390	55.1	21,500
Eaton	130	120	36.7	4,400	60	50	46.0	2,300
Hillsdale	—	—	—	—	—	—	—	—
Ingham	250	240	42.9	10,300	600	580	52.1	30,200
Ionia	480	450	44.4	20,000	570	550	52.7	29,000
Jackson	—	—	—	—	—	—	—	—
St. Joseph	—	—	—	—	100	90	50.0	4,500
Shiawassee	260	250	41.2	10,300	250	240	50.4	12,100
SOUTH CENTRAL (8)	1,800	1,700	42.0	71,400	2,400	2,300	52.0	119,600
Genesee	60	60	40.0	2,400	50	40	52.5	2,100
Lapeer	1,200	1,060	41.5	44,000	890	860	56.4	48,500
Lenawee	—	—	—	—	50	40	50.0	2,000
Livingston	—	—	—	—	—	—	—	—
Macomb	—	—	—	—	—	—	—	—
Monroe	100	90	41.1	3,700	150	140	50.0	7,000
Oakland	—	—	—	—	90	80	50.0	4,000
St. Clair	110	100	40.0	4,000	80	70	52.9	3,700
Washtenaw	160	150	40.7	6,100	250	240	54.2	13,000
Wayne	—	—	—	—	—	—	—	—
SOUTHEAST (9)	1,700	1,530	41.1	62,900	1,600	1,500	54.5	81,800
STATE	35,000	33,000	46.0	1,518,000	38,000	36,000	56.0	2,016,000

[1] County estimates will be recomputed in early 1985 to the revised Michigan totals on page 20.

POTATOES: Acreage, Yield, Production, 1982-83[1]

DISTRICT AND COUNTY	1983				1982			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		*Cwt.*		*Acres*		*Cwt.*	
Delta	700	650	230	150,000	1,000	930	235	220,000
Dickinson	1,300	1,200	190	228,000	1,600	1,470	240	354,000
Houghton	500	460	195	89,000	500	470	225	106,000
Iron	400	370	200	74,000	400	380	235	89,000
Luce	300	280	200	56,000	400	380	245	93,000
Marquette	450	410	170	70,000	400	380	225	85,000
Schoolcraft	300	280	215	60,000	250	240	240	58,000
UPPER PENINSULA (1)	4,000	3,700	200	738,000	4,600	4,300	235	1,017,000
Antrim	1,200	1,130	185	210,000	1,100	1,020	225	230,000
Emmet	600	570	185	106,000	500	480	220	106,000
Kalkaska	800	750	210	158,000	800	750	230	173,000
Manistee	500	470	200	94,000	400	380	200	76,000
NORTHWEST (2)	3,500	3,300	195	646,000	3,200	3,010	225	670,000
Otsego	650	580	175	102,000	800	760	230	175,000
Presque Isle	2,600	2,300	180	414,000	2,650	2,500	240	600,000
NORTHEAST (3)	3,600	3,210	180	573,000	3,800	3,600	240	856,000
WEST CENTRAL (4)	300	290	230	67,000	300	290	230	67,000
Gratiot	600	580	235	137,000	600	550	240	132,000
Mecosta	1,400	1,350	250	338,000	1,100	1,000	235	235,000
Montcalm	10,800	10,400	255	2,654,000	9,800	9,400	265	2,491,000
CENTRAL (5)	13,200	12,700	255	3,218,000	12,100	11,500	260	2,985,000
Arenac	1,200	1,170	175	206,000	1,400	1,360	190	258,000
Bay	4,800	4,700	170	799,000	4,100	4,000	205	820,000
Saginaw	600	580	170	99,000	700	680	200	136,000
Tuscola	1,350	1,310	190	248,000	1,300	1,270	200	252,000
EAST CENTRAL (6)	8,200	8,000	175	1,400,000	8,000	7,800	200	1,560,000
Allegan	1,300	1,200	240	288,000	1,200	1,100	245	271,000
Kent	700	670	230	155,000	700	660	245	163,000
Ottawa	400	370	225	84,000	400	380	250	95,000
Van Buren	200	190	220	42,000	300	290	240	69,200
SOUTHWEST (7)	2,900	2,700	230	626,000	2,900	2,700	245	663,000
Barry	500	470	240	113,000	700	660	245	161,000
Calhoun	190	180	220	40,000	300	290	220	64,000
Eaton	500	470	230	108,000	400	390	230	90,000
SOUTH CENTRAL (8)	1,800	1,700	230	388,000	2,100	2,000	235	468,000
Genesee	1,100	1,050	225	237,000	1,000	950	230	218,000
Lapeer	500	480	220	106,000	500	450	225	102,000
Lenawee	1,300	1,250	220	275,000	1,500	1,400	255	356,000
Macomb	270	250	250	53,000	400	350	245	85,500
Monroe	1,700	1,570	205	322,000	1,700	1,600	245	392,000
Washtenaw	600	580	220	128,000	800	750	240	181,000
SOUTH EAST (9)	5,700	5,400	215	1,169,000	6,000	5,600	245	1,359,000
STATE	43,200	41,000	215	8,825,000	43,000	40,800	236	9,645,000

[1] County estimates will be recomputed in early 1985 to the revised Michigan totals on page 21